Collection of 700TVL Camera Specifications

Box

- KPC-BSP6300NU
- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
- KPC-DNE100NUV18
- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

- KPC-E190NUWX
- KPC-EJ230NUWX
- KPC-VF291NU

Miniature Square

- KPC-E23NU
- KPC-E700NU
- KPC-EW38NU

Module

- ACE-EDR380NU
- ACE-M321NU

Outdoor Bullet

- KPC-N501NU
- KPC-N701NU
- KPC-N751NU
- KPC-NSP301NU

PTZ

- KPT-SPDN300NUCH

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- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
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- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

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Miniature Square

- KPC-E23NU
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- KPC-N501NU
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PTZ

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Part No.: KPC-BSP6300NU

700TVL Box Camera

- 700TVL Horizontal Resolution
- 2D Digital Noise Reduction (2D-DNR)
- C/CS Mount Lens
- True Mechanical Day & Night (ICR)
- Min. Illumination of 0.0001 Lux / Faceplate
- ATR / HLC / Privacy Masking / Motion Detection / Mirror
- Multi-Language OSD
- DC 12V / AC 24V Dual Power

Key Features

- 1/3˝ 960H Interline CCD
- 700TVL Horizontal Resolution
- True Day & Night (ICR)
- C/CS Mount Lens
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 4-Zone Privacy Masking
- 4-Zone Motion Detection
- Mirror /Brightness / Contrast / Sharpness / HUE/ Gain
- On Screen Display (OSD) Menu W/ Multi Language Support
- DC 12V / AC 24V Dual Power
- Multi-Language OSD

Superior Image Resolution of 700 TV Lines

27% more effective pixel than previous generation of high resolution camera would bring up the quality of the image immensely. Experience the clarity of 700 TV Lines of resolution. It is ideal for discrete locations, transit industry, financial institutions and more. It would also be practical for both indoor and outdoor environments.

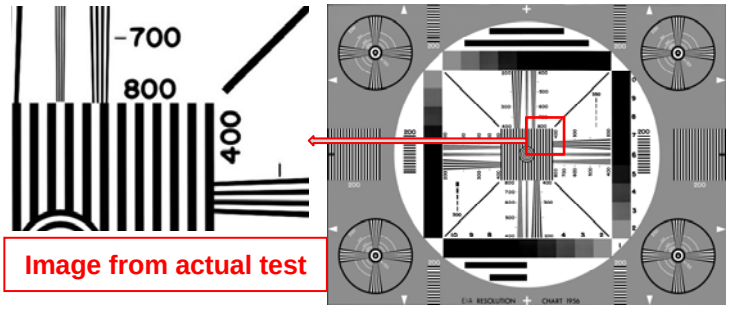

Image from actual test

ATR(Adaptive Tone-curve Reproduction)

KPC-BSP6300NU provides gradation compensation to improve the contrast of subjects where both low-luminance areas and high luminance areas coexist.

Conventional Camera

960H 700TVL Camera

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Part No.: KPC-BSP6300NU

High Color Reproduction

KPC-BSP6300NU is equipped with more excellent color reproduction from wide range of ATW. (1,800K to 10,500K)

Color Chart
Under Halogen Lamp

Still Object under
Artificial Sunlight

Conventional BSP6300NU

2D Digital Noise Reduction (2D DNR)

The amount of low luminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clearer and sharper image display even in the dark lighting condition.

Conventional Camera

960H 700TVL Camera

Convenient OSD Menu

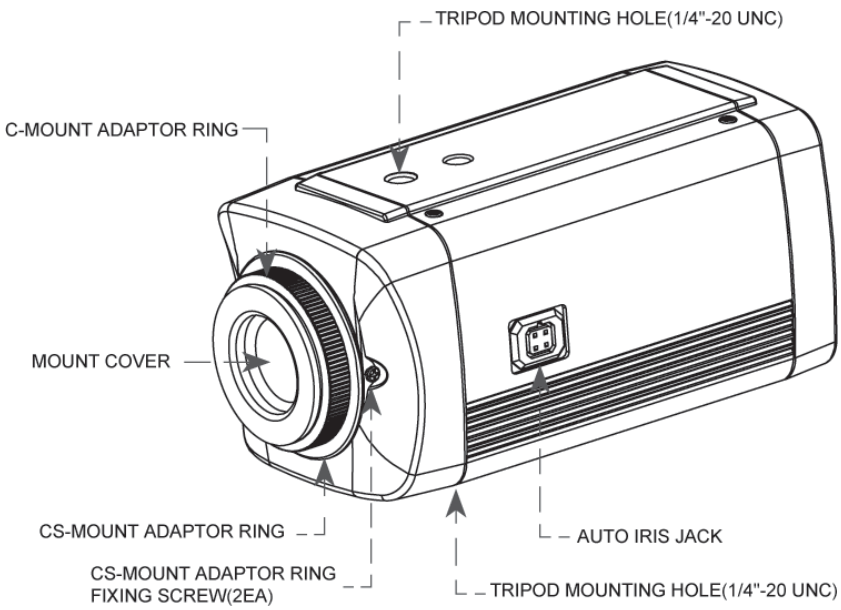
All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen that users can adjust this camera for optimum setup with great convenience.

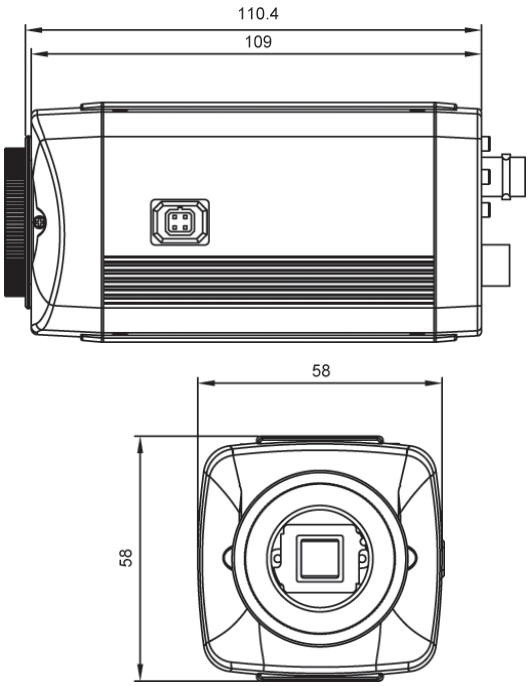
Privacy Image Masking

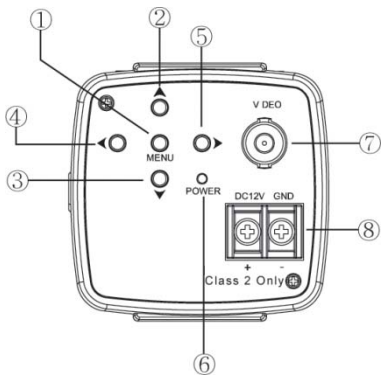
For the privacy protection in the open area observation, some particular area can be masked for privacy purposes. User can easily setup the masking sizes and positions of the desired zones. 4 privacy zones are available.

General Feature Diagram

(Unit: mm)







BACK

1 MENU/SET BUTTON
2 UP BUTTON
3 DOWN BUTTON
4 LEFT BUTTON
5 RIGHT BUTTON
6 POWER LED
(The LED turns on when power is supplied)

7 VIDEO OUT JACK
(Used to Connect an external Video Monitor in jack)
8 Power Terminal
(Use to connect an DC12V Power Source
(Option : AC24V/ DC12V)

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Part No.: KPC-BSP6300NU

Technical Specification

Model		BSP6300NU	
Signal System		NTSC	PAL
Image Sensor		1/3″ 960H Interline CCD	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020(H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens		C/CS Mount	
Lens Type		Manual/ DC	
S/N		More than 50dB (AGC Off)	
Gamma		r = 0.45	
Min. Illumination		0.0001 Lux / Faceplate	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		True Mechanical Day & Night (ICR)	
Day & Night Function		Auto/Color/BW	
Video Output Level		1Vp-p Composite (75Ω)	
Function	On-Screen Display (OSD)	Built-in	
	BLC	Off / BLC / HLC	
	2DNR	On / OFF (Level Adjustable)	
	ATR	On / OFF (Level Adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Humidity		Less than 80%RH	
Power Supply		DC 12V ±10% (Max. 180mA) / AC 24V ±10% (Max. 2.9W)	

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Last updated 2/21/2012

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Part No.: KPC-DN6360NU

700TVL Box Camera

- 700TVL Horizontal Resolution
- 2D Digital Noise Reduction (2D-DNR)
- C/CS Mount Lens
- True Mechanical Day and Night (ICR)
- Min. Illumination of 0.0001 Lux / Faceplate
- ATR / HLC / Privacy Masking / Motion Detection / Mirror
- Multilingual OSD
- DC12V / AC24V Dual Power

Key Features

- 1/3˝ 960H Interline CCD
- 700TVL Horizontal Resolution
- True Day & Night (ICR)
- C/CS Mount Lens
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 4-Zone Privacy Masking
- 4-Zone Motion Detection
- Mirror /Brightness / Contrast / Sharpness / HUE/ Gain
- On Screen Display (OSD) Menu (English, Japanese, German, French, Russian, Portuguese, Spanish, Chinese)
- DC12V / AC24V Dual Power

Superior Image Resolution of 700 TV Lines

27% more effective pixel than previous generation of high resolution camera would bring up the quality of the image immensely. Experience the clarity of 700 TV Lines of resolution. It is ideal for discrete locations, transit industry, financial institutions and more. It would also be practical for both indoor and outdoor environments.

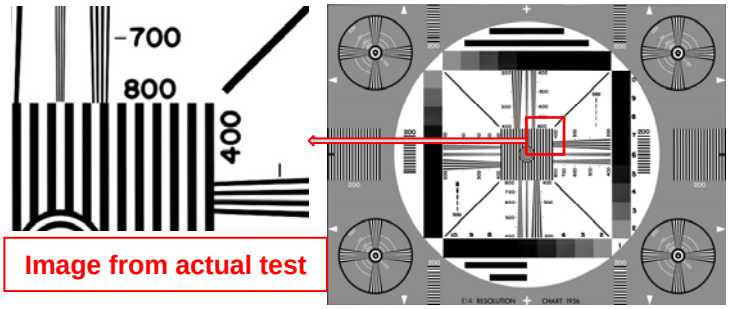

Image from actual test

ATR (Adaptive Tone-curve Reproduction)

KPC-DN6360NU provides gradation compensation to improve the contrast of subjects where both low-luminance areas and high luminance areas coexist.

Conventional Camera

960H 700TVL Camera

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Part No.: KPC-DN6360NU

High Color Reproduction

KPC-DN6360NU is equipped with more excellent color reproduction from wide range of ATW. (1,800K to 10,500K)

Color Chart
Under Halogen Lamp

Still Object under
Artificial Sunlight

Conventional BSP6300NU

Convenient OSD Menu

All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen that users can adjust this camera for optimum setup with great convenience.

2D Digital Noise Reduction (2D DNR)

The amount of low luminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clearer and sharper image display even in the dark lighting condition.

Conventional Camera

960H 700TVL Camera

Privacy Image Masking

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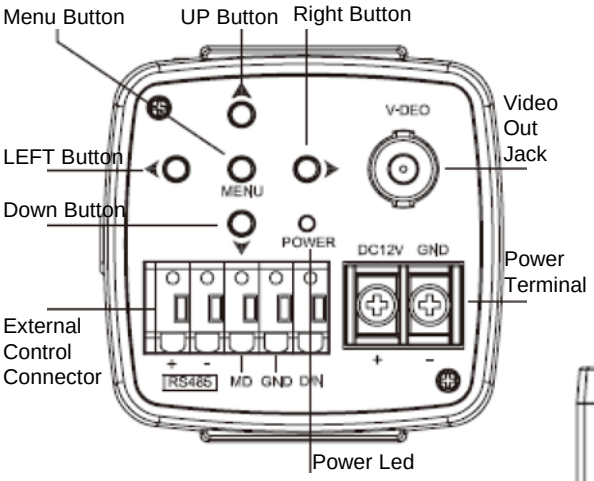
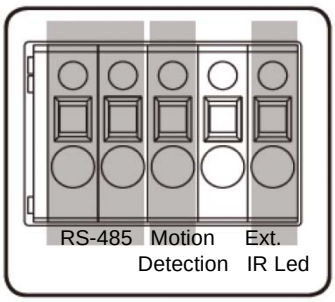
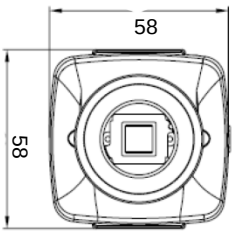
General Feature Diagram

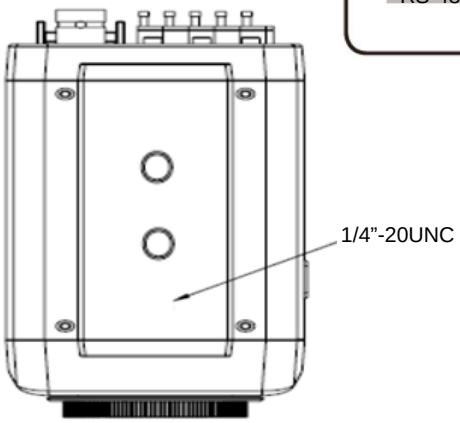
(Unit: mm)



EXTERNAL CONTROL CONNECTOR







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Part No.: KPC-DN6360NU

Technical Specification

Model		DN6360NU	
Signal System		NTSC	PAL
Image Sensor		1/3″ 960H Interline CCD	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020(H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens		C/CS Mount	
Lens Type		Manual/ DC	
S/N		More than 50dB (AGC Off)	
Gamma		r = 0.45	
Min. Illumination		0.0001 Lux / Faceplate	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		True Mechanical Day and Night (ICR)	
Day & Night Function		Auto/Color/BW	
Video Output Level		1Vp-p Composite (75Ω)	
Function	On-Screen Display (OSD)	Built-in	
	BLC	Off / BLC / HLC	
	2DNR	ON / OFF (Level Adjustable)	
	ATR	ON / OFF (Level Adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Humidity		Less than 80%RH	
Power Supply		DC12V (±10%), Max. 180mA / AC24V (±10%), Max. 2.9W	

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Last updated 2/11/2013

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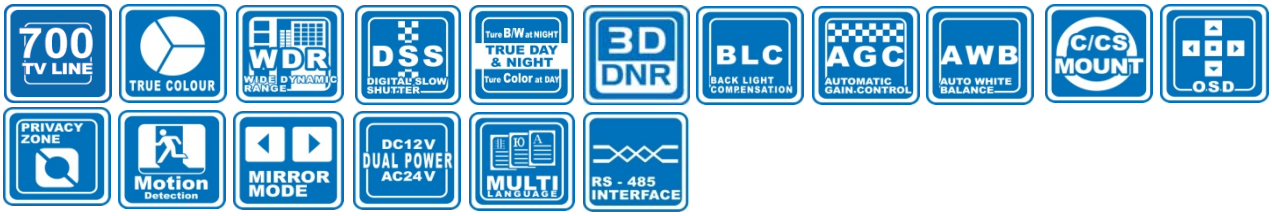
T: 213-381-0061 / F: 213-381-0061 E: sales-usa@ktncusa.com

Part No.: KPC-WDR7000NU

700TVL WDR Professional Box Camera

NEW

- 700TVL Horizontal Resolution
- 3DNR / DSS / WDR
- C/CS Mount Type / 3x Digital Zoom
- True Day & Night with ICR Mechanism
- Min. Illumination of 0.08 Lux (Color) / 0.04Lux (B/W)
- Privacy Masking / Motion Detection / Face Detection
- Multilingual OSD
- RS-485 Communication
- DC 12V / AC 24V Dual Power



Key Features

- 1/3" 960H SONY Double Scan Super HAD CCD II
- 700TVL Horizontal Resolution
- WDR – Wide Dynamic Range
- True Day & Night (ICR)
- C/CS Mount Lens (lens sold separately)
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 3D Digital Noise Reduction (3D DNR)
- Back Light Compensation (BLC)
- 15-Zone Privacy Masking
- Motion Detection
- Brightness / Contrast / Sharpness / HUE/ Gain
- multilingual On Screen Display (OSD) menu
- AC 24V / DC 12V Dual Power

Superior Image Resolution of 700 TV Lines

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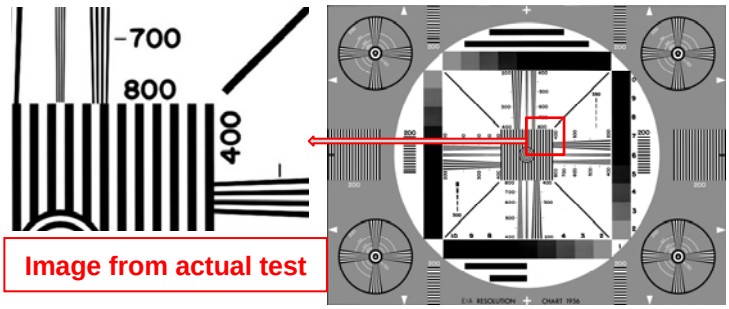

Image from actual test

WDR (Wide Dynamic Range)

To get detail information from dark and bright combination image without any saturation, the WDR technology is required. It combines bright areas with high shutter speed exposure and dark areas with low shutter speed exposure into one composite image

Normal BLC WDR on

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Part No.: KPC-WDR7000NU

High Color Reproduction

KPC-WDR7000NU is equipped with more excellent color reproduction from wide range of ATW. (1,800K to 10,500K)

Color Chart
Under Halogen Lamp

Still Object under
Artificial Sunlight

Conventional WDR7000NU

Convenient OSD Menu

All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen that users can adjust this camera for optimum setup with great convenience.

DSS Technology

Digital Slow Shutter (DSS) technology enhances the low light performance of the camera, producing outstanding images in low light conditions. DSS slows the picture frame rate and increases the camera's light sensitivity.

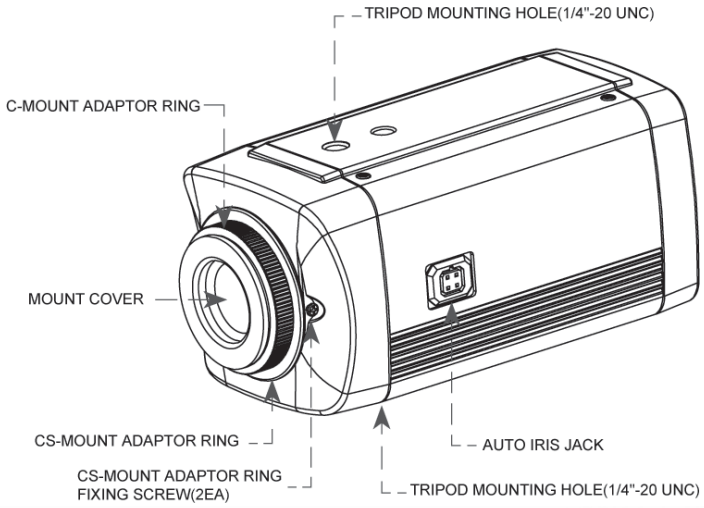
Conventional Camera KPC-WDR7000NU

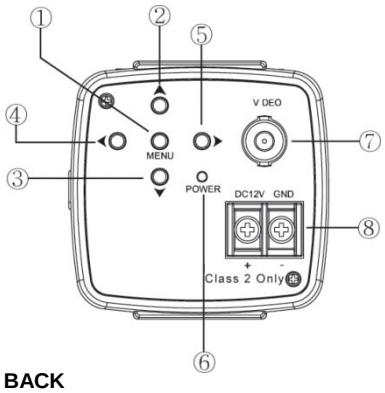
Privacy Image Masking

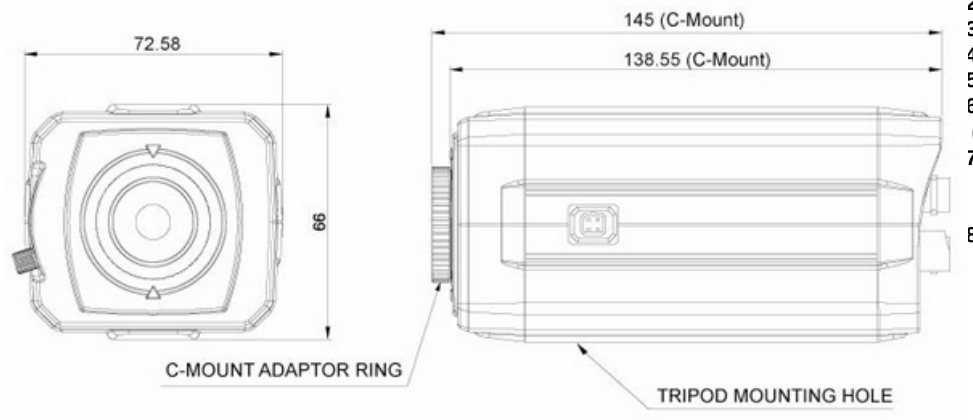
For the privacy protection in open area observation, some particular areas can be masked for privacy purposes. User can easily setup the masking sizes and positions of the desired zones. 15 privacy zones are available.

General Feature Diagram

(Unit: mm)







BACK
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2 UP BUTTON
3 DOWN BUTTON
4 LEFT BUTTON
5 RIGHT BUTTON
6 POWER LED
(The LED turns on when power is supplied)
7 VIDEO OUT JACK
(Used to Connect an external Video Monitor in jack)
8 Power Terminal
(Use to connect an DC12V Power Source (Option : AC24V/ DC12V)

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Part No.: KPC-WDR7000NU

Technical Specification

Model		KPC-WDR7000NU	
Signal System		NTSC	PAL
Image Sensor		1/3" 960H SONY Double Scan Super HAD CCD II	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1028(H) x 508(V)	1028(H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens		C/CS Mount (DC / VIDEO)	
Lens Type		Manual/ DC	
S/N		More than 50dB (3DNR On)	
Gamma		r = 0.45	
Min. Illumination		0.08 Lux (Color) / 0.04Lux (B/W) (30 IRE@F1.4, AGC High)	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		True Mechanical Day & Night (ICR)	
Day & Night Function		Auto / Color / BW	
Video Output Level		1.0 Vp-p Composite (75Ω)	
Function (Built-in On-Screen Display)	WDR	On / Off (Level Adjustable)	
	BLC	Off / On (Level Adjustment, Area Selection)	
	3DNR	On / Off (Level Adjustable)	
	AGC	Low / Mid / High	
	White Balance	ATW / PUSH / PUSH-LOCK / MANUAL (R Gain, B Gain)	
	Privacy Masking	15 Zones (Area Adjustment)	
	Face Detection	On / Off (Level Adjustable, Area Adjustment)	
	Motion Detection	On / Off (Level Adjustable, Area Adjustment)	
	Digital Slow Shutter	OFF, 2~128 Field	
	Language Option	English, Chinese, German, Russian, Spanish	
Operating Temperature		14˚F ~ 122˚F (-10˚C~ + 50˚C)	
Storage Temperature		-4˚F ~ 140˚F (-20˚C~ + 60˚C)	
External Control		RS 485	
Power Supply		DC12V : DC12V ±10% Max. 210 mA Dual : DC12V ±10% Max. 270 mA / AC24V ±10% Max. 3.9 W	

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Last updated 2/21/2012

KT&C America, Inc.: (East)
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Collection of 700TVL Camera Specifications

Box

- KPC-BSP6300NU
- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
- KPC-DNE100NUV18
- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

- KPC-E190NUWX
- KPC-EJ230NUWX
- KPC-VF291NU

Miniature Square

- KPC-E23NU
- KPC-E700NU
- KPC-EW38NU

Module

- ACE-EDR380NU
- ACE-M321NU

Outdoor Bullet

- KPC-N501NU
- KPC-N701NU
- KPC-N751NU
- KPC-NSP301NU

PTZ

- KPT-SPDN300NUCH

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KT&C, Inc.

STAND BEHIND OUR PRODUCTS

Part No.: KPC-DSP81NUB

Indoor Color 700TVL Dome Camera

NEW

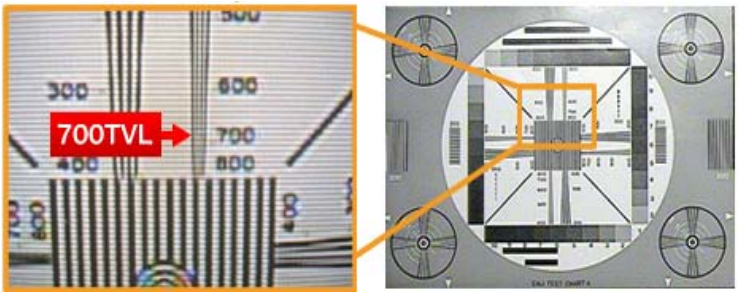
- 700TVL Horizontal Resolution
- Min. Illumination of 0.05 Lux / F2.0
- 2D Digital Noise Reduction (2D-DNR)
- Fixed Board Lens
- Digital Day & Night
- 3-Axis Gimbal Bracket
- DC 12V

Key Features

- 1/3” 960H Interline CCD
- 700TVL Horizontal Resolution
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- Day & Night
- 2D Digital Noise Reduction (2D DNR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- DC 12V

Superior Image Resolution of 700 TV Lines

A lot of resolution packed in our indoor Dome. See the clarity with 700 TV Lines of resolution. Ideal for discrete locations, transit industry, financial institutions and practical for Indoor or Outdoor environments.



High Color Reproduction)

DSP81NUB equipped with more Excellent Color reproduction.
Wide Rage ATW (1,800K to 10,500K)

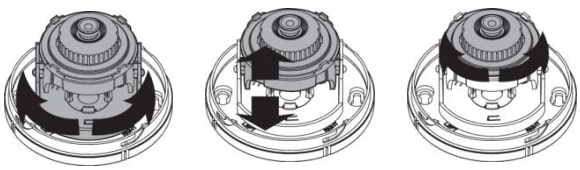
Color Chart
Under Halogen Lamp

Still Object under Artificial Sunlight

Conventional KPC-DSP81NUB

3 -Axis Rotating Mechanism

This camera is mounted on a 3-axis rotating platform, which allows an installer to easily adjust the field of view horizontally, vertically, and/or with a rotary movement. With this feature, you don’t need to worry about where the camera is attached and/or how it is oriented.



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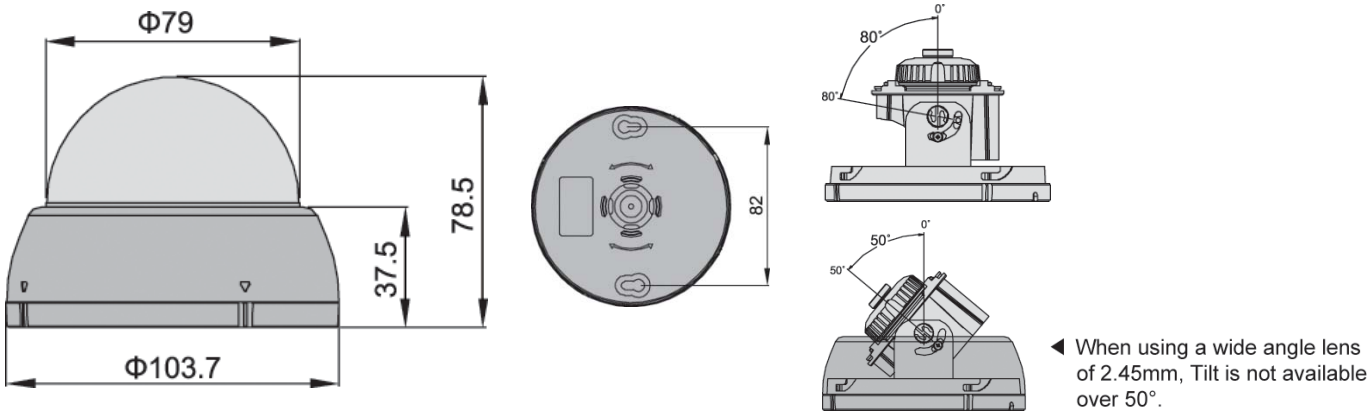
Part No.: KPC-DSP81NUB

General Feature Diagram

(Unit: mm)



◀ When using a wide angle lens of 2.45mm, Tilt is not available over 50°.

Technical Specification

Model	DSP81NUB
Signal System	NTSC
Image Sensor	1/3“ 960H Interline CCD
Scanning System	2:1 Interlace
Scanning Frequency (H) x (V)	15.734 KHz X 59.94 Hz
Total Pixels	1020(H) x 508(V)
Effective Pixels	976(H) x 494(V)
Synchronization	Internal
Horizontal Resolution	700 TV Lines
Lens	Fixed Board Lens 2.45mm, 2.97mm, 3.6mm, 4.3mm, 6.0mm, 8.0mm, 12.0mm
S/N	More than 50dB (AGC Off)
Min. Illumination	0.05 Lux / F2.0
Shutter Speed	1/60 ~ 1/100,000 sec
Video Output Level	1.0 Vp-p Composite (75Ω)
Gamma	γ = 0.45
Operating Temperature	-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)
Storage Temperature	-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)
Humidity	Less than 80%
Power Supply	DC 12V (Max 110mA)

* Specifications & Features are subject to change without prior notice.

Last updated 01/20/2012

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KT&C, Inc.

STAND BEHIND OUR PRODUCTS

Part No.: KPC-DE100NUV17

Indoor Color 700TVL Dome Camera

NEW

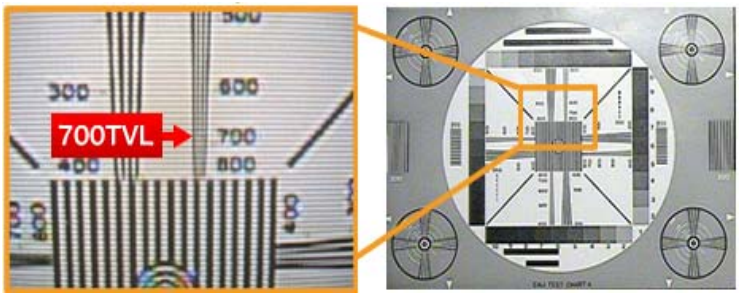
- 700TVL Horizontal Resolution
- Min. Illumination of 0.0001 Lux / Faceplate
- 2D Digital Noise Reduction (2D-DNR)
- Varifocal Lens (2.8~12.0mm)
- ATR/HLC/Privacy Masking/Motion Detection/Mirror
- Multi-Language OSD
- 3-Axis Gimbal Bracket
- DC 12V / AC 24V Dual Power

Key Features

- 1/3”960H Interline CCD
- 700TVL Horizontal Resolution
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 8-Zone Privacy Masking
- 4-Zone Motion Detection
- Mirror /Brightness / Contrast / Sharpness / HUE/ Gain
- On Screen Display (OSD) Menu W/ Multi Language Support
- DC 12V / AC 24V Dual Power
- Multi-Language OSD
- Monitor Output Terminal for Easy Servicing

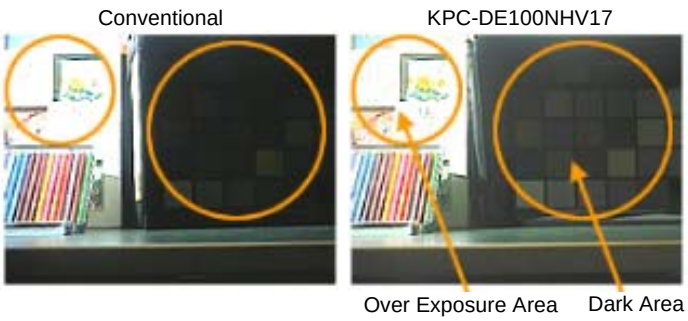
Superior Image Resolution of 700 TV Lines

A lot of resolution packed in our compact Mini Vandal Dome. See the clarity with 700 TV Lines of resolution. Ideal for discrete locations, transit industry, financial institutions and practical for Indoor or Outdoor environments.



ATR(Adaptive Tone-curve Reproduction)

KPC-DE100NHV17 provides gradation compensation to improve the contra st of subjects both low-luminance areas and high luminance areas exist in t he same picture



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Part No.: KPC-DE100NUV17

3 -Axis Rotating Mechanism

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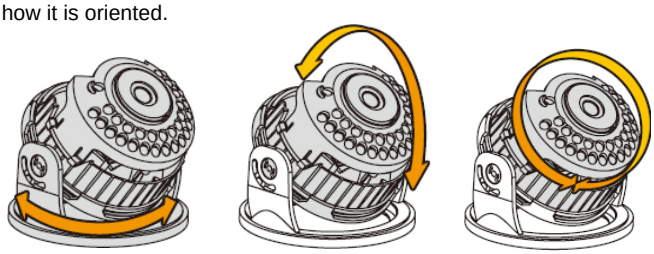


High Color Reproduction)

KPC-DE100NHV17 equipped with more Excellent Color reproduction. Wide Rage ATW (1,800K to 10,500K)

Color Chart
Under Halogen Lamp

Still Object under Art
ificial Sunlight

Conventional KPC-DR100NHV17

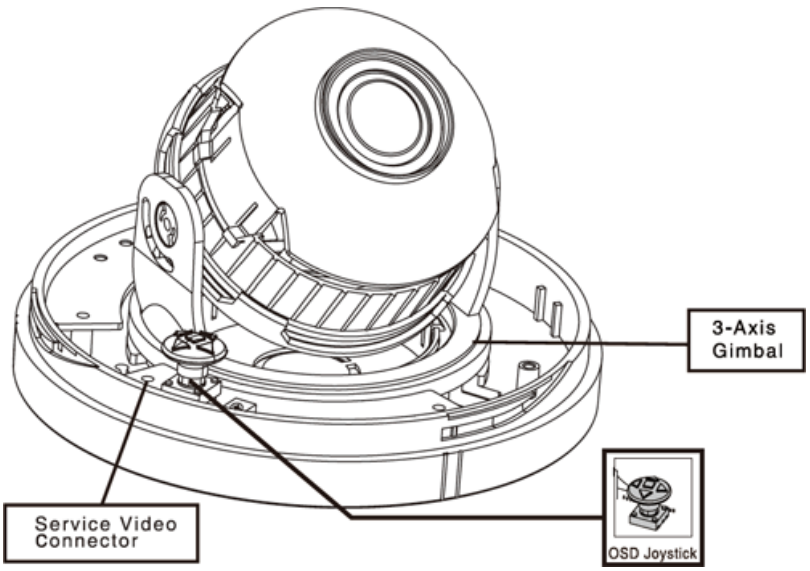
Convenient OSD Menu

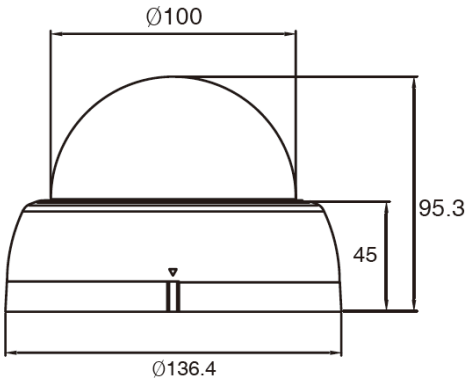
Camera settings can be easily controlled or adjusted by using the built-in joystick to access the integrated On-Screen Display (OSD) menu. Multiple language options are available: English, Spanish, German, Russian, Japanese, French, Portuguese

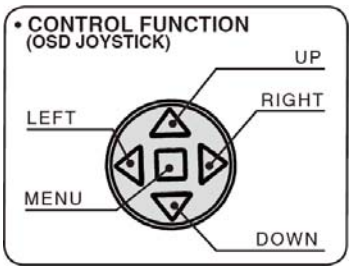
Secondary Monitor Output Terminal

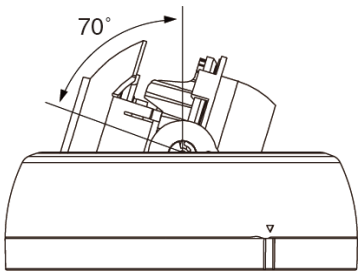
The built-in secondary monitor output terminal gives the convenience of on-the-spot adjustments of the angle and focus.

General Feature Diagram









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Part No.: KPC-DE100NUV17

Technical Specification

Model		KPC-DE100NUV17	
Signal System		NTSC	PAL
Image Sensor		1/3"960H Interline CCD	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens Size		Varifocal f=2.8 ~12.0 mm	
S/N		More than 50dB (AGC Off)	
Gamma		R=0.45	
Min. Illumination		0.0001 Lux / Faceplate	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		N/A	
Video Output Level		1Vp-p Composite (75Ω)	
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)	
	BLC	Off / BLC / HLC	
	2DNR	On / OFF (Level Adjustable)	
	ATR	On / OFF (Level Adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Humidity		Less than 80%RH	
Power Supply		DC 12V ±10% (Max. 160mA) / AC 24V ±10% (Max. 2.2W)	

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Part No.: KPC-DNE100NUV18

Indoor IR LEDs Color 700 TVL Dome Camera

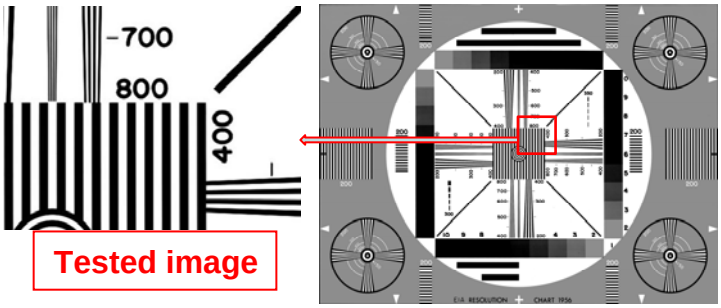
- 700TVL Horizontal Resolution
- 2D Digital Noise Reduction (2D-DNR)
- Varifocal Mega-Pixel Lens (2.8~12.0mm)
- Min. Illumination of 0 Lux (IR LEDs on)
- True Mechanical Day & Night w/ Built-in 30 IR LED's
- ATR / HLC / Privacy Masking / Motion Detection / Mirror
- Multilingual OSD
- 3-Axis Gimbal Bracket
- DC 12V / AC 24V Dual Power

Key Features

- 1/3"960H Interline CCD
- 700TVL Horizontal Resolution
- Varifocal - 2.8 ~12.0mm
- True Day & Night (ICR) W Built-in 30 IR LEDs
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 4-Zone Privacy Masking
- 4-Zone Motion Detection
- Mirror /Brightness / Contrast / Sharpness / HUE/ Gain
- On Screen Display (OSD) Menu W/ Multi Language Support
- DC 12V / AC 24V Dual Power
- Multi-Language OSD
- Monitor Output Terminal for Easy Servicing

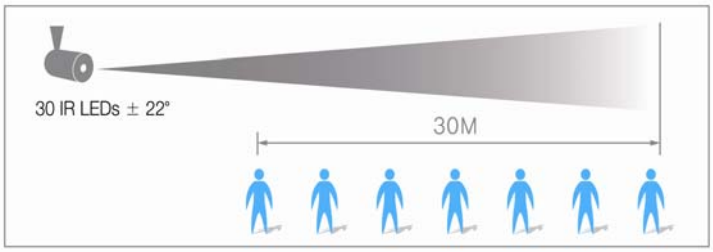
Superior Image Resolution of more than 700 TVL

A lot of resolution packed in our Night Vision Dome. See the clarity with 700 TV Lines of resolution. Ideal for discrete locations, transit industry, financial institutions and practical for Indoor or Outdoor environments.



0 Lux Min. Illumination with 30 IR LEDs

The KPC-DNE100NUV18 is equipped with built-in high performance 30 units of IR LEDS that make the detected dark object extremely bright visual image in total darkness without any light. This camera can cover the reliable Video surveillance up to 100 Feet Long Distance



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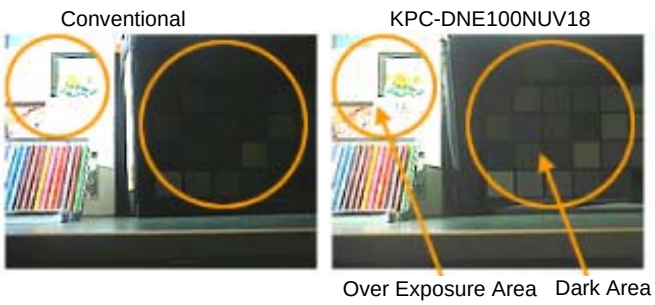
Part No.: KPC-DNE100NUV18

ATR(Adaptive Tone-curve Reproduction)

KPC-DNE100NUV18 provides gradation compensation to improve the contrast of subjects both low-luminance areas and high luminance are as exist in the same picture



Convenient OSD Menu

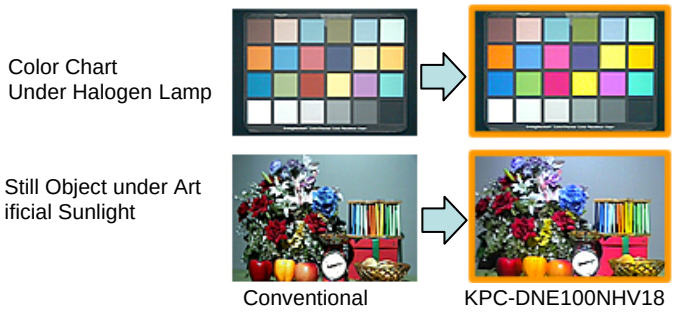
Camera settings can be easily controlled or adjusted by using the built-in joystick to access the integrated On-Screen Display (OSD) menu. Multiple language options are available: English, Spanish, German, Russian, Japanese, French, Portuguese

Secondary Monitor Output Terminal

The built-in secondary monitor output terminal gives the convenience of on-the-spot adjustments of the angle and focus.

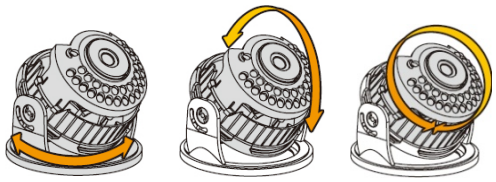
High Color Reproduction)

KPC-DNE100NUV18 equipped with more Excellent Color reproduction. Wide Rage ATW (1,800K to 10,500K)



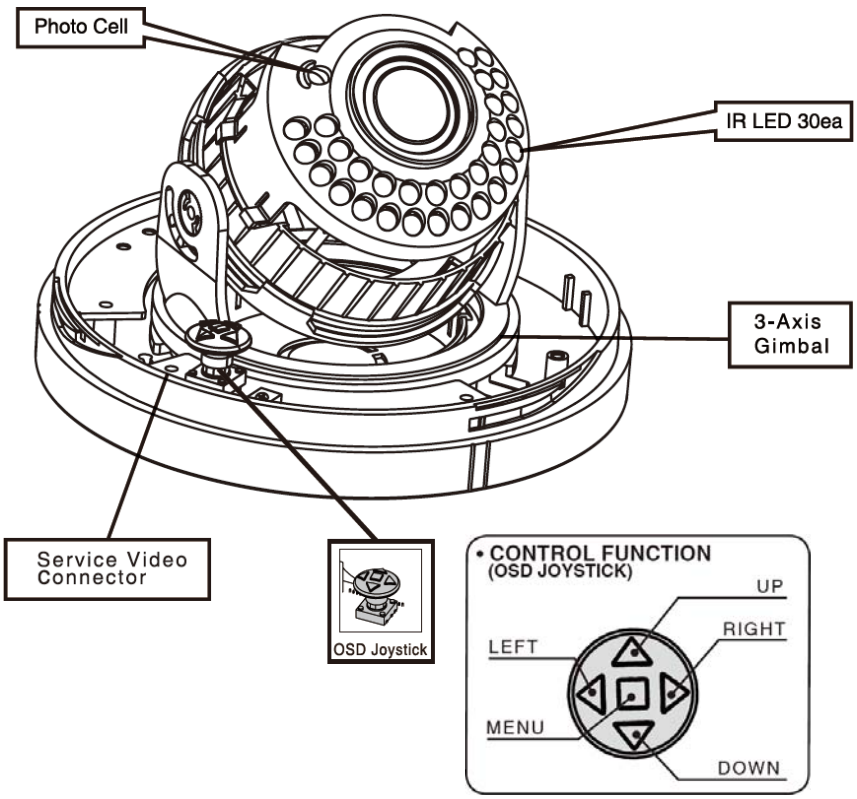
3 -Axis Rotating Mechanism

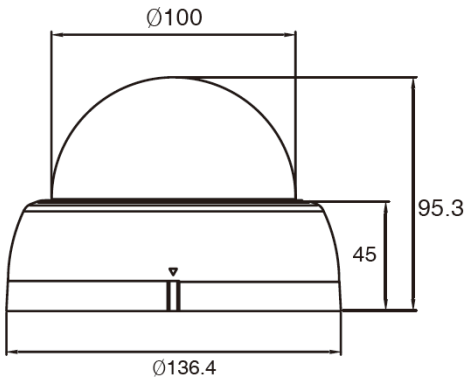
This camera is mounted on a 3-axis rotating platform, which allows an installer to easily adjust the field of view horizontally, vertically, and/or with a rotary movement. With this feature, you don't need to worry about where the camera is attached and/or how it is oriented.

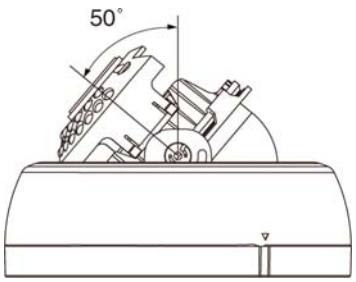


General Feature Diagram

(Unit: mm)







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Part No.: KPC-DNE100NUV18

Technical Specification

Model		KPC-DNE100NUV18	
Signal System		NTSC	PAL
Image Sensor		1/3“ 960H Interline CCD	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens Size		Varifocal - 2.8 ~12.0 mm	
S/N		More than 50dB (AGC Off)	
Gamma		R=0.45	
Min. Illumination		0 Lux (IR LED On)	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		True Mechanical Day & Night (ICR)	
IR LED		30 IR LED’s, 850nm (IR Wavelength), Max. 100ft (IR Distance)	
IR LED Operation		On : 1 Lux, Off : 3 Lux	
Video Output Level		1Vp-p Composite (75Ω)	
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)	
	BLC	Off / BLC / HLC	
	2DNR	On / OFF (Level Adjustable)	
	ATR	On / OFF (Level Adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Humidity		Less than 80%RH	
Power Supply		DC12V ±10% (Max. 320mA) / AC 24V ±10% (Max. 4.8W)	

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Part No.: KPC-LD40

Low Profile Indoor Color Camera

- 700TVL Horizontal Resolution
- 3DNR / DSS / WDR
- f = 3.7mm Board Lens
- Digital Day & Night
- Privacy Masking / Motion Detection
- DC12V / AC24V

Key Features

- 1/3˝ 960H Double Scan Super HAD CCD II
- 700TVL Horizontal Resolution
- Wide Dynamic Range (WDR)
- 3D Digital Noise Reduction (3DNR)
- Digital Slow Shutter up to x256 (DSS)
- Digital Zoom up to x3
- 15 zone Privacy Masking
- Area & Level adjustable Motion Detection
- 3.6mm Board Lens
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- DC12V / AC24V Dual Power

Superior Image Resolution of 700 TV Lines

27% more effective pixel than previous generation of high resolution camera would bring up the quality of the image immensely. Experience the clarity of 700 TV Lines of resolution. It is ideal for discrete locations, transit industry, financial institutions and more. It would also be practical for both indoor and outdoor environments.

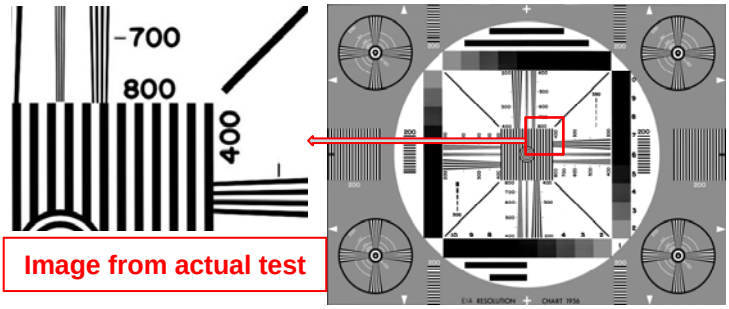

Image from actual test

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Part No.: KPC-LD40

WDR (Wide Dynamic Range)

To get detailed information from dark and bright combination Image without any saturation, the WDR Technology is required. It combines bright areas with high shutter speed exposure and dark areas with low shutter speed exposure into one composite image

Convenient OSD Menu

All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen so that users can adjust this camera for optimal setting with great convenience.

Privacy Image Masking

For the privacy protection in the open area observation, some particular area can be masked for privacy purposes. Users can easily setup the masking areas of the desired zones.
15 Privacy Zone available.

Digital Noise Reduction

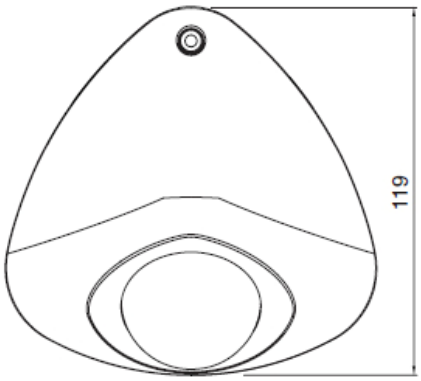
The amount of low luminance noise is remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution is improved, resulting in a clear and sharp image display even in dark condition.

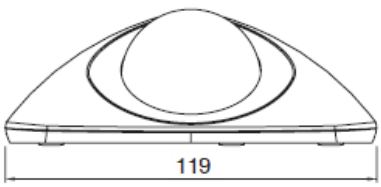
Motion Detection

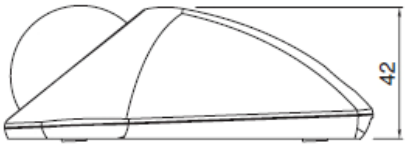
KPC-LD40 detects motion of any objects on the screen and transmits alert signal into the external alarm to have user's attention on the screen.

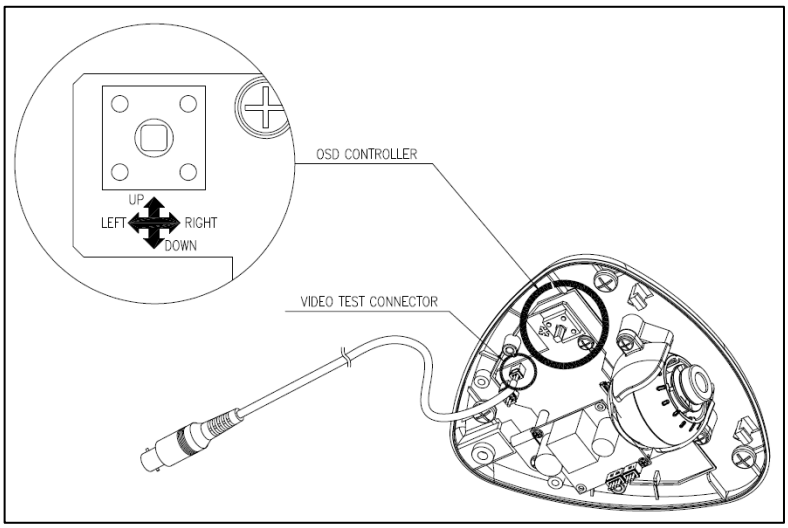
General Feature Diagram

(Unit: mm)









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T: 213-381-0061 / F: 213-381-0061 E: sales-usa@ktncusa.com

Part No.: KPC-LD40

Technical Specification

Model		KPC-LD40	
Signal System		NTSC	PAL
Image Sensor		1/3″ 960H Double Scan Super HAD CCD II	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency		15.734KHz(H), 59.94Hz(V)	15.625KHz(H), 50Hz(V)
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens Option		f = 2.45mm, 3.7mm, 6mm Board Lenses	
S/N Ratio		More than 50dB (AGC Off, 3DNR ON)	
Gamma		γ=0.45	
Min. Illumination		0.1 Lux 0.000001 Lux (DSS ON)	
Electronic Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		Digital Day & Night	
Video Output Level		1Vp-p Composite (75Ω)	
Function	On-Screen Display (OSD)	Built-in with Joystick	
	BLC	ON / OFF (Level adjustment, Area selection)	
	HLC	ON / AUTO / OFF (Level adjustment)	
	Digital Zoom Ratio	3x	
	Digital Slow Shutter	OFF, 2 ~ 256 Field	
	White Balance	ATW / PUSH / USER1 / USER2 / ANTI-CR / MANUAL / PUSH-LOCK	
	Privacy Masking	15 Zones (Area adjustment)	
	WDR	ON / OFF (Level adjustable)	
	Motion Detection	4 Zones (Level adjustable, Area adjustment)	
	AGC	OFF, 6 ~ 36dB	
	Flickerless	ON / OFF	
	2D / 3D DNR	ON / OFF (Level adjustable)	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Power Supply		DC12V ±10% Max. 140mA (Input Voltage: DC8V ~ 15V) Dual: DC12V ±10% Max. 190mA / AC24V ±10% Max.2.5W	
Weight & Dimension		200g / 119mm(H) x 42mm(W) x 119mm(D)	

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Last Updated: 11/26/12

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Collection of 700TVL Camera Specifications

Box

- KPC-BSP6300NU
- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
- KPC-DNE100NUV18
- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

- KPC-E190NUWX
- KPC-EJ230NUWX
- KPC-VF291NU

Miniature Square

- KPC-E23NU
- KPC-E700NU
- KPC-EW38NU

Module

- ACE-EDR380NU
- ACE-M321NU

Outdoor Bullet

- KPC-N501NU
- KPC-N701NU
- KPC-N751NU
- KPC-NSP301NU

PTZ

- KPT-SPDN300NUCH

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Part No.: KPC-LV40

Low Profile Vandal Proof Color Camera

- 700TVL Horizontal Resolution
- 3DNR / DSS / WDR
- f = 3.7mm Board Lens
- Digital Day & Night
- Privacy Masking / Motion Detection
- Vandal Proof & Weatherproof (IP66)
- DC12V / AC24V

Key Features

- 1/3˝ 960H Double Scan Super HAD CCD II
- 700TVL Horizontal Resolution
- Wide Dynamic Range (WDR)
- 3D Digital Noise Reduction (3DNR)
- Digital Slow Shutter up to x256 (DSS)
- Digital Zoom up to x3
- 15 zone Privacy Masking
- Area & Level adjustable Motion Detection
- 3.6mm Board Lens
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- Vandal-Proof & Weather-Resistant (IP66)
- DC12V / AC24V Dual Power

Superior Image Resolution of 700 TV Lines

27% more effective pixel than previous generation of high resolution camera would bring up the quality of the image immensely. Experience the clarity of 700 TV Lines of resolution. It is ideal for discrete locations, transit industry, financial institutions and more. It would also be practical for both indoor and outdoor environments.

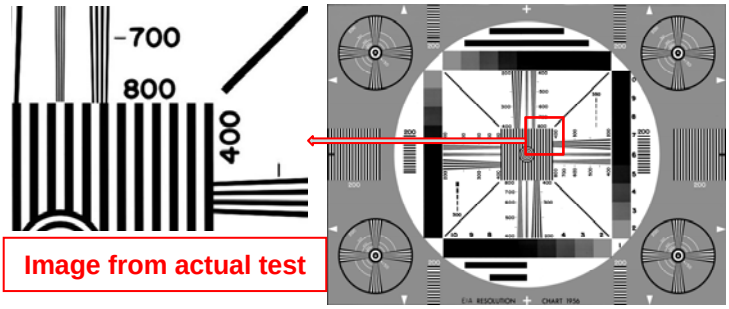

Image from actual test

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Part No.: KPC-LV40

WDR (Wide Dynamic Range)

To get detailed information from dark and bright combination Image without any saturation, the WDR Technology is required. It combines bright areas with high shutter speed exposure and dark areas with low shutter speed exposure into one composite image

Convenient OSD Menu

All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen so that users can adjust this camera for optimal setting with great convenience.

Privacy Image Masking

For the privacy protection in the open area observation, some particular area can be masked for privacy purposes. Users can easily setup the masking areas of the desired zones.
15 Privacy Zone available.

Motion Detection

KPC-LV40 detects motion of any objects on the screen and transmits alert signal into the external alarm to have user's attention on the screen.

Digital Noise Reduction

The amount of low luminance noise is remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution is improved, resulting in a clear and sharp image display even in dark condition.

Vandal-Proof Housing

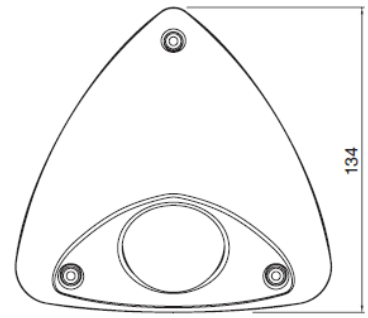
The die-casting aluminum dome housing and polycarbonate dome cover ensures the perfect camera durability and protects the camera from external shock.

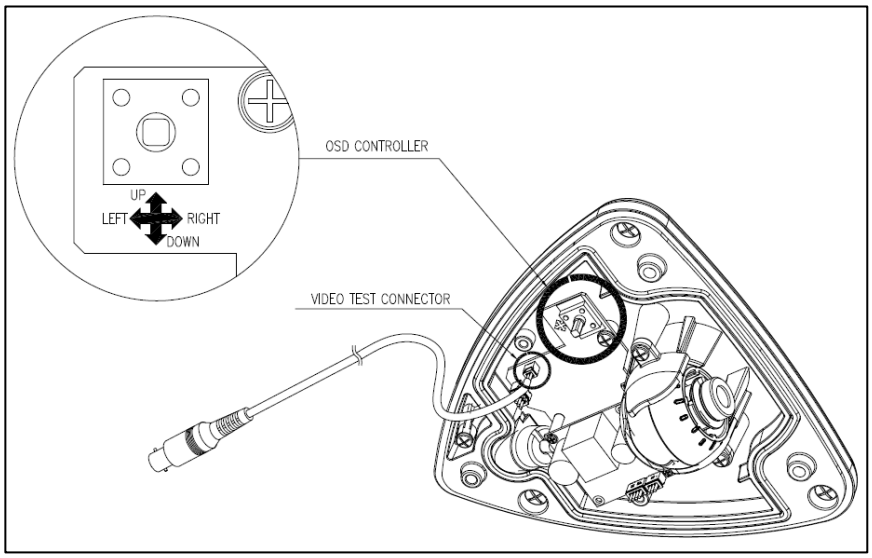
IP66 Rating (Weather Resistant)

With Dust and Rain Resistant Design, this camera boasts IP66 rating that resist dust and rain of outdoor environment. It can be a perfect solution for outdoor surveillance, such as building eaves , loading docks, factories, storage yards and so on.

General Feature Diagram

(Unit: mm)





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Part No.: KPC-LD40

Technical Specification

Model		KPC-LV40	
Signal System		NTSC	PAL
Image Sensor		1/3″ 960H Double Scan Super HAD CCD II	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency		15.734KHz(H), 59.94Hz(V)	15.625KHz(H), 50Hz(V)
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens Option		f = 2.45mm, 3.7mm, 6mm Board Lenses	
S/N Ratio		More than 50dB (AGC Off, 3DNR ON)	
Gamma		γ=0.45	
Min. Illumination		0.1 Lux 0.000001 Lux (DSS ON)	
Electronic Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		Digital Day & Night	
Video Output Level		1Vp-p Composite (75Ω)	
IP Rating		IP66 (Water Repellent)	
Function	On-Screen Display (OSD)	Built-in with Joystick	
	BLC	ON / OFF (Level adjustment, Area selection)	
	HLC	ON / AUTO / OFF (Level adjustment)	
	Digital Zoom Ratio	3x	
	Digital Slow Shutter	OFF, 2 ~ 256 Field	
	White Balance	ATW / PUSH / USER1 / USER2 / ANTI-CR / MANUAL / PUSH-LOCK	
	Privacy Masking	15 Zones (Area adjustment)	
	WDR	ON / OFF (Level adjustable)	
	Motion Detection	4 Zones (Level adjustable, Area adjustment)	
	AGC	OFF, 6 ~ 36dB	
	Flickerless	ON / OFF	
	2D / 3D DNR	ON / OFF (Level adjustable)	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Power Supply		DC12V ±10% Max. 140mA (Input Voltage: DC8V ~ 15V) Dual: DC12V ±10% Max. 190mA / AC24V ±10% Max.2.5W	
Weight & Dimension		500g / 139mm(H) x 49mm(W) x 134mm(D)	

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KT&C, Inc.

STAND BEHIND OUR PRODUCTS

Part No.: KPC-VD61NUB

Black

White

Mini Vandal Dome Camera

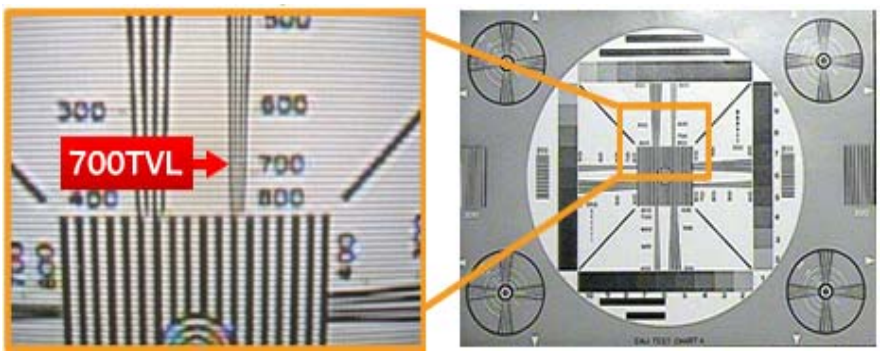
- 700 TVL Horizontal Resolution
- Min. Illumination of 0.02 Lux / F1.2
- Automatic Gain Control (AGC)
- Automatic Tracking White Balance (ATW)
- Automatic Backlight Compensation (BLC)
- Dimension: 3.19 Inch (Ø) X 2.48 inch (H)

Key Features

- Sony 1/3" Ex-View HAD CCD II
- 700TVL Horizontal Resolution
- Outstanding Durability with IP66
- Min. Illumination of 0.02 Lux / F1.2
- Vandal Proof
  (Die-Casting Aluminum Dome Housing)
  Polycarbonate (PC) Dome Cover)
- Digital Day & Night
- 3 Axis Gimbal Bracket
  (Pan & Tilt (Pan 360˚ / Tilt 160 ˚)
- Fix Board Lens (3.6 mm Std)
- Attractive Stylish Design
- Mirror Mode (Option)
- DC Power supply Available

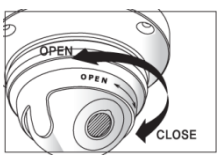
Superior Image Resolution of 700 TV Lines

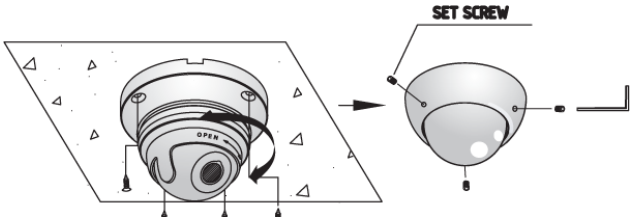
A lot of resolution packed in our compact Mini Vandal Dome. See the clarity with 700 TV Lines of resolution. Ideal for discrete locations, transit industry, financial institutions and p ractical for Indoor or Outdoor environments.



Easy Camera Mounting Position

Turn the lock counterclockwise pushing it to loosen it for ball part adjust (Step 1) and loosen once more to dis-part them completely (Step2)





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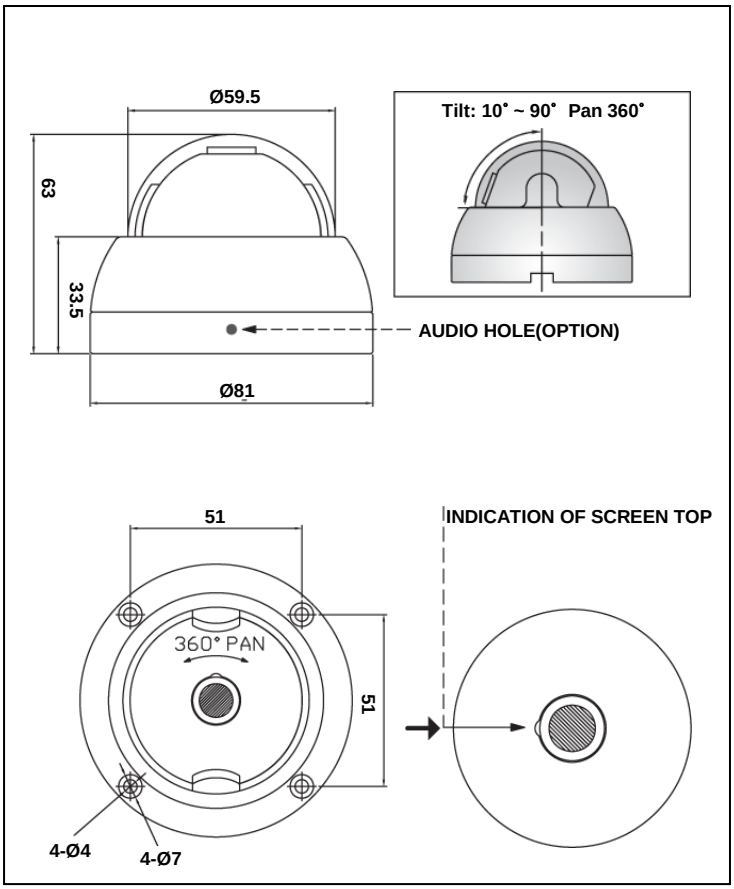
Part No.: KPC-VD61NUB

Technical Specification

Image Device	Sony 1/3" Ex-View HAD CCD II
Scanning System	2 : 1 Interlace
Scanning Frequency	H: 15.734 (KHz), V: 60 (Hz)
Total Pixels	1020(H) × 508(V), 410K
Effective Pixels	976(H) × 494(V), 380K
Horizontal Resolution	700 TVL
Electronic Shutter	1/60 ~ 1/100,000sec Auto
S/N Ratio	More than 45dB (AGC Off)
Sensitivity	0.02 Lux / F1.2 (B/W)
Gamma Correction	λ = 0.45
Sync System	Internal
IP Rating	IP66 (Weatherproof)
Video Output	Composite 1［Vp-p］75(Ω) unbalanced
Power Supply	DC12V (±10%), Max. 130mA
Operating Temperature	-10˚C ~ +50˚C
Storage Temperature	-20˚C ~ +60˚C
Operating Humidity	10% ~ 80%

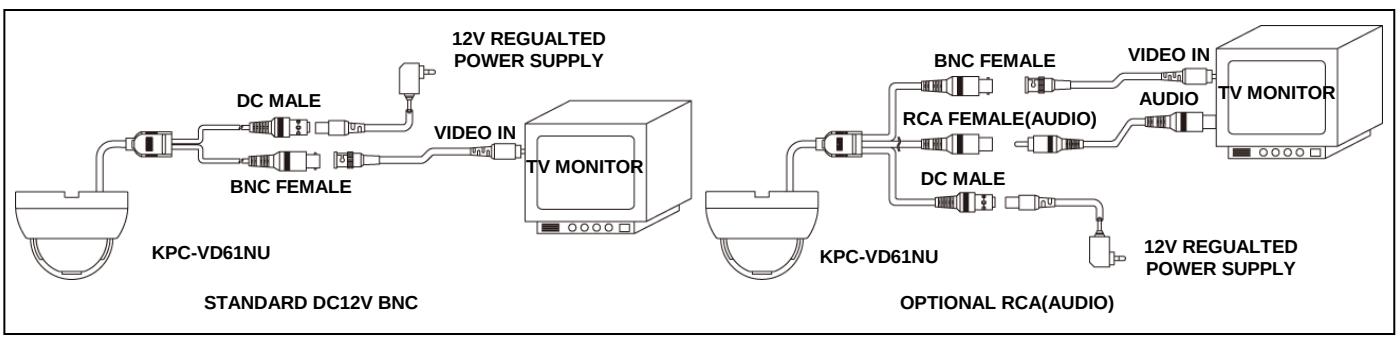
Dimensions (Unit: mm)



Lens Option

Lens (mm)	**Type**	**Board Lens (B)**		
	Focal Length	2.97	3.60	6.0
	Aperture	F2.0	F2.0	F2.0
	Angle of View	130˚	92˚	53˚

Connection



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Part No.: KPC-VDE101NUV17

Armored Color 700TVL Dome Camera

- More than 700TVL Horizontal Resolution
- 976(H) x 494(V) effective pixels (27% more than conventional high resolution cameras)
- Min. illumination : 0.0001 Lux / Faceplate
- Vandal-Proof & Water-Proof (IP66)
- Mega-Pixel Varifocal IR Lens (2.8~12.0mm)
- Digital Day & Night
- ATR/HLC/Privacy Masking/Motion Detection/Mirror
- Multilingual OSD
- 3-Axis Gimbal Bracket
- DC 12V / AC 24V Dual Power

Key Features

- 1/3” 960H EXview HAD CCD II
- More than 700TVL horizontal resolution
- Vandal-Proof & Weather-Proof (IP66)
- Fast shutter speed (1/60 ~ 1/100,000 sec)
- Varifocal Mega-Pixel IR Lens (2.8~12.0mm)
- Digital D&N
- Digital Noise Reduction (DNR)
- Adaptive Tone-curve Reproduction (WDR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 8-zone privacy masking area
- 4-zone motion detection area
- Mirror /Brightness / Contrast / Sharpness / HUE/ Gain
- Built-in multilingual OSD
- DC 12V / AC 24V dual power
- Second video output for easy servicing

Superior Image Resolution of 700 TV Lines

A lot of resolution packed in our compact mini dome. See the clarity with more than 700TV lines of resolution, Ideal for discrete locations such as transit industry, financial institutions and practical for Indoor or outdoor environments.

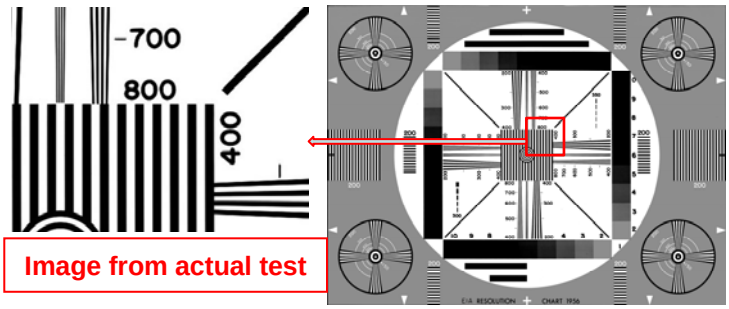

Image from actual test

ATR(Adaptive Tone-curve Reproduction)

KPC-VDE100NUV17 provides gradation compensation to improve the contrast of subjects where both low-luminance areas and high luminance areas coexist in the same picture.

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Part No.: KPC-VDE101NUV17

High Color Reproduction)

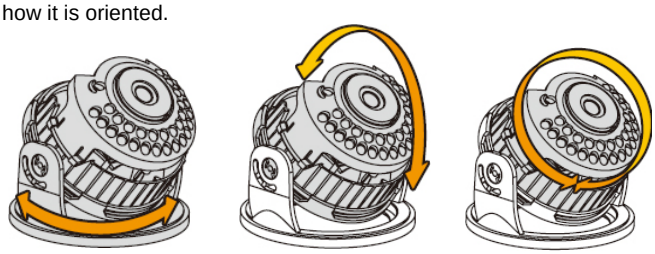
KPC-VDE100NHV17 equipped with more excellent color reproduction with range of ATW from 1,800K to 10,500K.

Color chart under halogen lamp

Still object under artificial sunlight

3 -Axis Rotating Mechanism

This camera is mounted on a 3-axis rotating platform, which allows an installer to easily adjust the field of view horizontally, vertically, and/or with a rotary movement. With this feature, you don't need to worry about where the camera is attached and/or how it is oriented.



Pan Tilt Rotate

Vandal-Proof Dome Housing

The die-casting aluminum dome housing and polycarbonate dome cover ensures the perfect camera durability and protects the camera from external shock.

IP66 Rating (Weather-Proof)

Meeting the standards of IP66, this dome will withstand dust and heavy seas, rugged enough for any outdoor environment, yet cosmetically designed to fit in indoor environments.

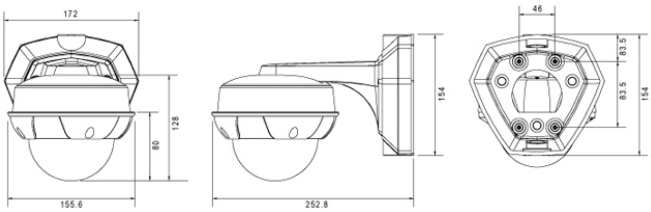
Convenient OSD Menu
Secondary Monitor Output Terminal

Camera settings can be easily controlled or adjusted by using the built-in joystick to access the integrated On-Screen Display (OSD) menu. Multiple language options are available: English, Spanish, German, Russian, Japanese, French, Portuguese

The built-in secondary monitor output terminal gives the convenience of on-the-spot adjustments of the angle and focus.

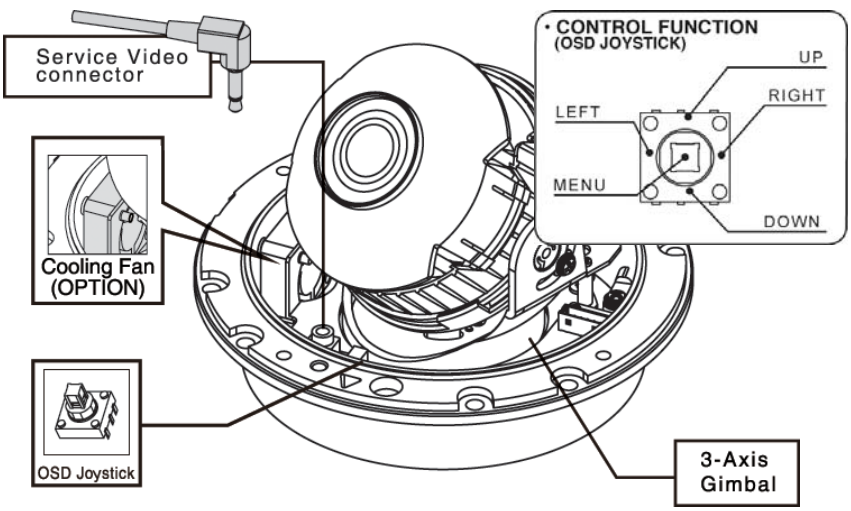
Wall-Mount Bracket Option Available

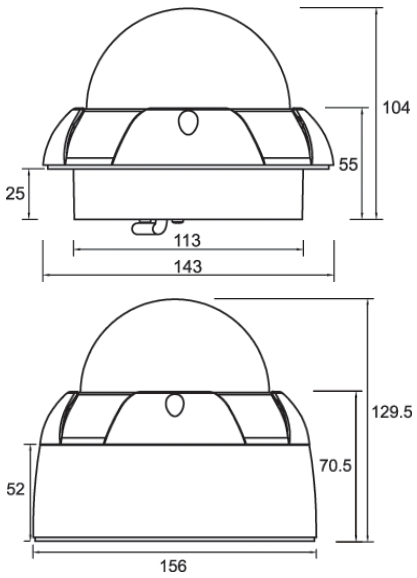
This rugged wall mount is built using a heavy duty die-cast aluminum body with a 1" NPT thread to support all our vandal domes. Attractively designed to install in any application. Bracket is sold separately.



General Feature Diagram

(Unit: mm)





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Part No.: KPC-VDE101NUV17

Technical Specification

Model		KPC-VDE101NUV17	
Signal System		NTSC	PAL
Image Sensor		1/3“ 960H EXview HAD CCD II	
Scanning System		2:1 Interlace	
Horizontal Resolution		More than 700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens Size		Varifocal mega-pixel IR 2.8 ~12.0 mm	
S/N		More than 50dB (AGC Off)	
Gamma		R=0.45	
Min. Illumination		0.0001 Lux / Faceplate	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		Digital Day & Night (from OSD)	
Video Output Level		1Vp-p Composite (75Ω)	
IP Rating		IP66 (Waterproof)	
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)	
	BLC	Off / BLC / HLC	
	2DNR	On / OFF (Level Adjustable)	
	ATR	On / OFF (Level Adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Pan / Tilt / Rotate Range		360˚ / 140˚ / 360˚ (Pan / Tilt / Rotate)	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Humidity		Less than 80%RH	
Power Supply		Dual Voltage	DC 12V ±10% (Max. 160mA)
			AC 24V ±10% (Max. 2.2W)
Weight		Flush type: 730g / Surface mount: 1.38kg	

* Specifications & Features are subject to change without prior notice.

Last updated 01/20/2012

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KT&C USA, Inc.: (West)
3240 Wilshire Blvd. #501, Los Angeles, CA 90010
T: 213-381-0061 / F: 213-381-0061 E: sales-usa@ktncusa.com

Part No.: KPC-VNE101NUV18

Armored IR LEDs Color 700TVL Dome Camera

NEW

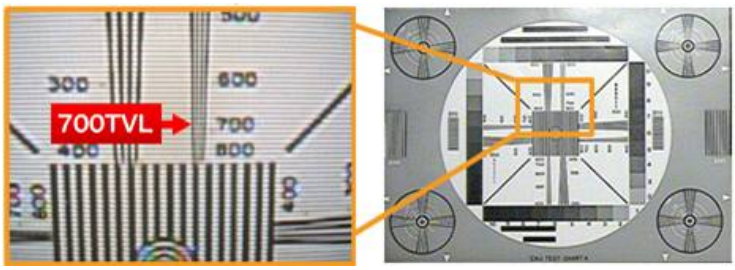
- 700TVL Horizontal Resolution
- 2D Digital Noise Reduction (2D-DNR)
- Vandal-Proof & Weather-Proof (IP66)
- Varifocal Lens (2.8~12.0mm)
- Min. Illumination of 0 Lux (IR LEDs on)
- True Mechanical Day & Night w/ Built-in 30 IR LED's
- ATR / HLC / Privacy Masking / Motion Detection / Mirror
- Multi-Language OSD
- 3-Axis Gimbal Bracket
- DC 12V / AC 24V Dual Power

Key Features

- 1/3"960H Interline CCD
- 700TVL Horizontal Resolution
- Vandal-Proof & Weather-Proof (IP66)
- Varifocal (2.8 ~12.0mm)
- True Day & Night (ICR) W Built-in 30 IR LEDs
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 4-Zone (Privacy Masking / Motion Detection)
- Mirror /Brightness / Contrast / Sharpness / HUE/ Gain
- On Screen Display (OSD) Menu W/ Multi Language Support
- DC 12V / AC 24V Dual Power
- Multi-Language OSD
- Monitor Output Terminal for Easy Servicing

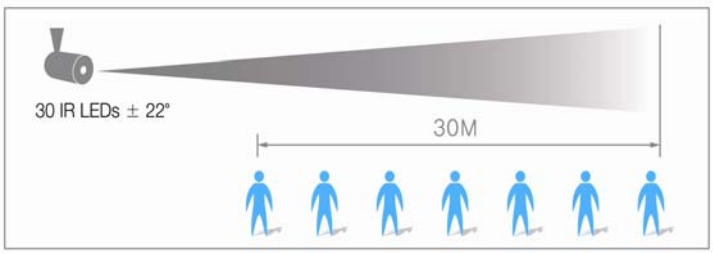
Superior Image Resolution of 700 TV Lines

A lot of resolution packed in our Vandal out door Night Vision Dome. See the clarity with 700 TV Lines of resolution. Ideal for discrete locations, transit indu stry, financial institutions and practical for Indoor or Outdoor environments.



0 Lux Min. Illumination with 30 IR LEDs

The KPC-VNE101NUV18 is equipped with Built-in High performance 30 units of IR LEDS that make the detected dark object extremely bright visual image in total darkness without any light. This camera can cover the reliable Video surveillance up to 100 Feet Long Distance



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Part No.: KPC-VNE101NUV18

ATR(Adaptive Tone-curve Reproduction)

KPC-VNE101NUV18 provides gradation compensation to impro ve the contrast of subjects both low-luminance areas and high l uminance areas exist in the same picture

Conventional camera

960H 700TVL camera

High Color Reproduction)

KPC-VNE101NUV18 equipped with more Excellent Color reprod uction. Wide Rage ATW (1,800K to 10,500K)

Conventional KPC-VNE101NUV18

Convenient OSD Menu
Secondary Monitor Output Terminal

Vandal-Proof Dome Housing

The die-casting aluminum dome housing and polycarbonate dome cover ensures the perfect camera durability and protects the camera from external shock.

IP66 Rating (Weather-Proof)

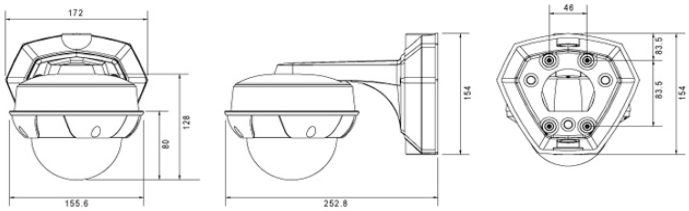
Meeting the standards of IP66, this dome will withstand dust and heavy seas. Rugged enough for any outdoor environment, yet cosmetically designed to fit in indoor environments.

3 -Axis Rotating Mechanism

This camera is mounted on a 3-axis rotating platform, which allows an installer to easily adjust the field of view horizontally, vertically, and/or with a rotary movement. With this feature, you don't need to worry about where the camera is attached and/or how it is oriented.

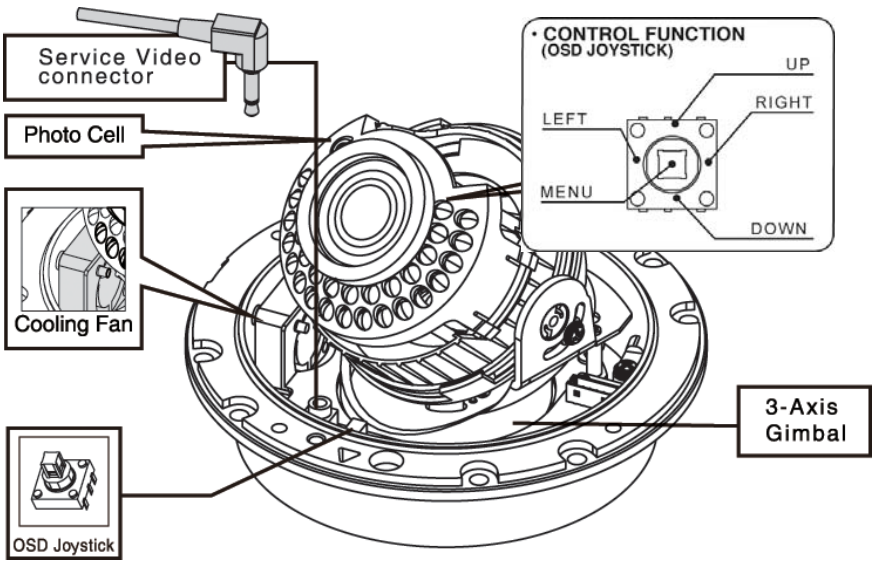
Wall-Mount Bracket Option Available

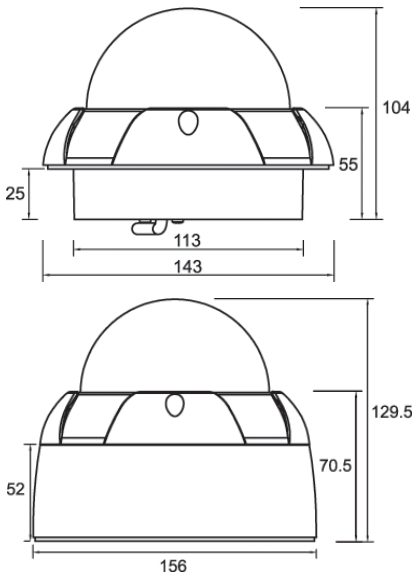
This rugged wall mount is built using a heavy duty die-cast aluminum body with a 1" NPT thread to support all our vandal domes. Attractively designed to install in any application. Bracket is sold separately.



General Feature Diagram

(Unit: mm)





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Part No.: KPC-VNE101NUV18

Technical Specification

Model		KPC-VNE101NUV18	
Signal System		NTSC	PAL
Image Sensor		1/3“ 960H Interline CCD	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens Size		Varifocal - 2.8 ~12.0 mm	
S/N		More than 50dB (AGC Off)	
Gamma		R=0.45	
Min. Illumination		0 Lux (IR LED On)	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		True Mechanical Day & Night (ICR)	
IR LED		30 IR LED’s, 850nm (IR Wavelength), Max. 100ft (IR Distance)	
IR LED Operation		On : 1 Lux, Off : 3 Lux	
Video Output Level		1Vp-p Composite (75Ω)	
IP Rating		IP66 (Water Repellent)	
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)	
	BLC	Off / BLC / HLC	
	2DNR	On / OFF (Level Adjustable)	
	ATR	On / OFF (Level Adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Humidity		Less than 80%RH	
Power Supply		DC 12V ±10% (Max. 450mA) / AC 24V ±10% (Max. 5.5W)	

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Collection of 700TVL Camera Specifications

Box

- KPC-BSP6300NU
- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
- KPC-DNE100NUV18
- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

- KPC-E190NUWX
- KPC-EJ230NUWX
- KPC-VF291NU

Miniature Square

- KPC-E23NU
- KPC-E700NU
- KPC-EW38NU

Module

- ACE-EDR380NU
- ACE-M321NU

Outdoor Bullet

- KPC-N501NU
- KPC-N701NU
- KPC-N751NU
- KPC-NSP301NU

PTZ

- KPT-SPDN300NUCH

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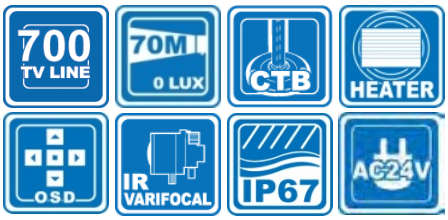
Part No.: KPC-LP751NU

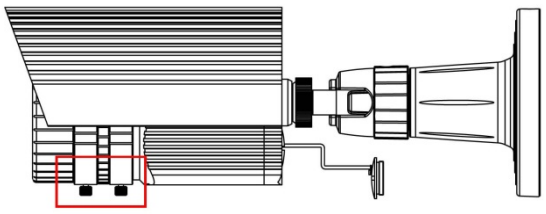
High Contrast License Plate Capture Camera

- **1/3˝ 960H SONY EXview HAD CCD II**
- **700 TVL Resolution**
- **License plate up to 16ft ~ 65ft (5.0M ~ 20.0M)**
- **Plate capture up to 75mph**
- **Special filter and IR LED provides maximum legibility under headlight glare**
- **Weatherproof (IP67)**
- **AC24V**



External Zoom and Focus Adjustment

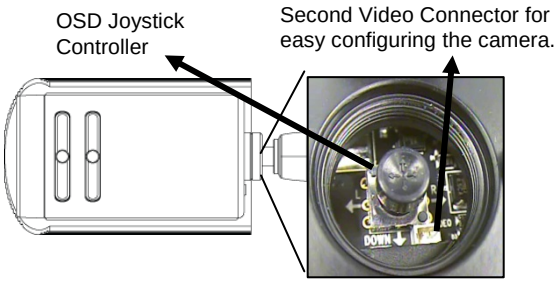
The External Zoom and Focus system provides easy camera installation without opening the window cap to adjust zoom and focus of the lens.



External Zoom and focus

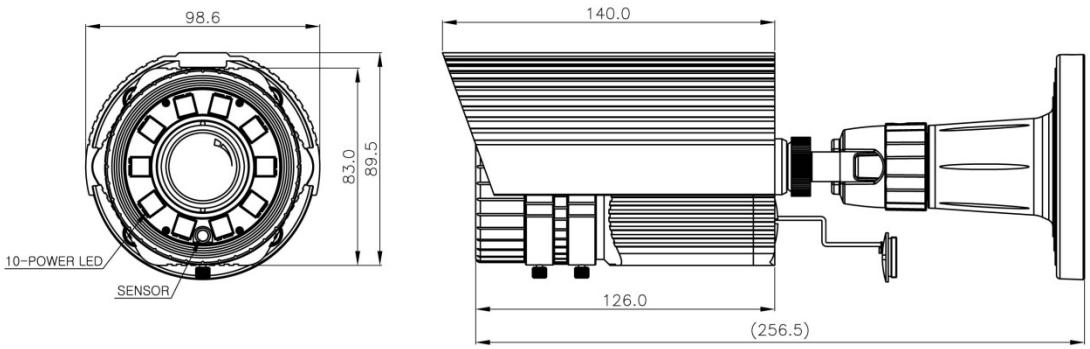
Convenient OSD with Second Video Output

Joystick controller provides easy access to the OSD menu to adjust camera functions.



General Feature Diagram

(Unit: mm)



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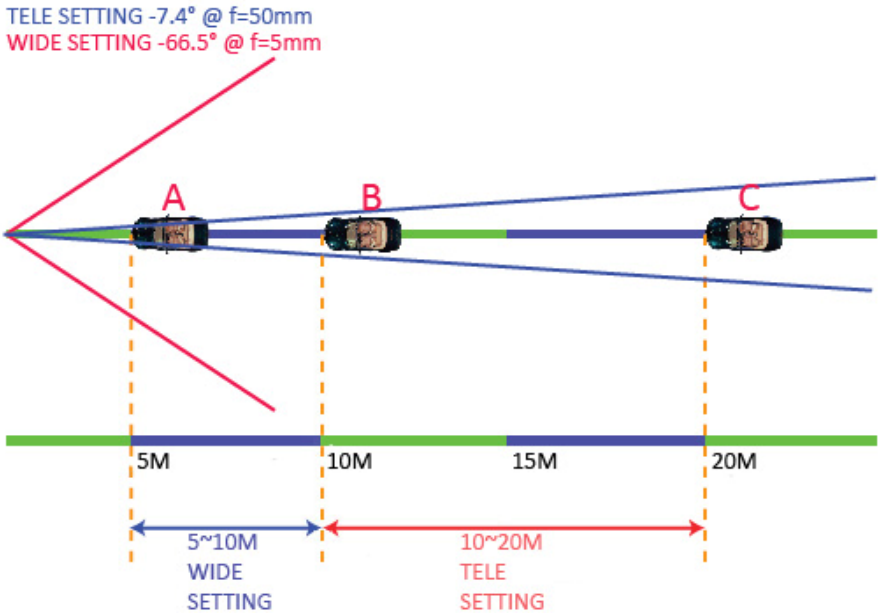
Part No.: KPC-LP751NU

Installation Guide

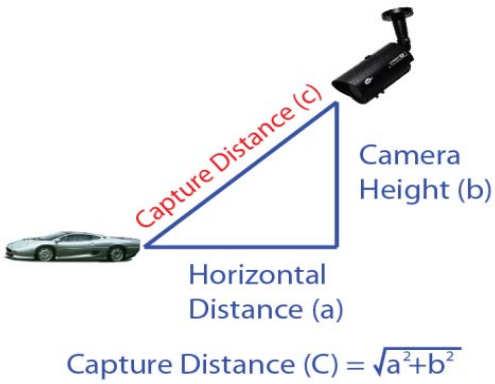
Capture Zone

By narrowing the angle, user can enjoy longer capture distance.



Camera Height

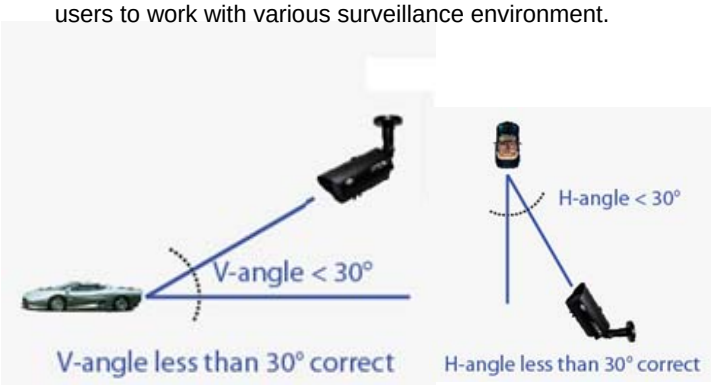
Height (Ft)	Distance (Ft)	Capture Distance
10	10	14
20	11	23
30	12	32
40	13	42
50	14	52



Capture Distance (C) = $\sqrt{a^2+b^2}$

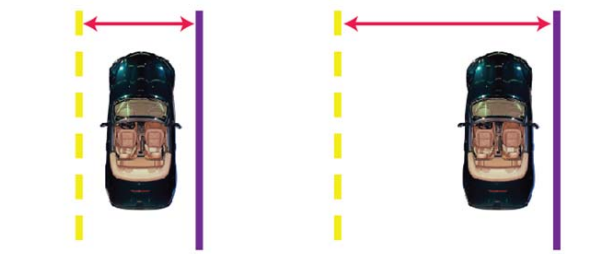
Camera Angle

30 degrees of vertical and horizontal angle provides users to work with various surveillance environment.



Lane Width

Narrow lanes = less variation in plate location.
Wider lanes = more variation in plate location.
Lens should cover entire width of the lane.
Ensure horizontal field of view is wide enough.



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Part No.: KPC-LP751NU

Technical Specification

Model			KPC-LP751NU	KPC-LP751PU
Signal System			NTSC	PAL
Imaging Device			1/3″ 960H SONY EXview HAD CCD II	
Scanning System			2:1 Interlace	
Scanning Frequency (H)			15.734 KHz	15.625 KHZ
Scanning Frequency (V)			59.94 Hz	50 Hz
Total Pixels			1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels			976(H) x 494(V)	976(H) x 582(V)
Synchronization			Internal	
Horizontal Resolution			700 TV Lines	
S/N Ratio			More Than 50dB	
Min. Illumination			LED On : 0 Lux	
Video Output Level			1Vp-p Composite(75Ω)	
Image Display			BW	
Lens Size			f = 5.0~50.0mm (F1.4) Varifocal Auto Iris Lens	
IR LED			850 nm, Hi Power LED, 10EA	
Function	OSD		Built-in	
	Mode		Installation / License plate	
	Negative Image		On / Off	
	Shutter Speed		1/3000 sec (Adjustable)	
IP Rating			IP67	
Operating Temperature			14°F ~ 122°F (-10℃ ~ 50℃) Heater On : -40°F ~ 122°F (-40℃ ~ 50℃)	
Storage Temperature			-4°F ~ 140°F (-20℃ ~ 60℃)	
Weight			3.0lb / 1.37kg	
Dimension (mm)			98.6(W) x 83(H) x 126(D)	
Power Consumption		DC	DC12V (±10%), Max. 700mA (Without Heater) DC12V (±10%), Max. 1.6A (With Heater)	
		Dual	DC	DC12V (±10%), Max. 760mA (Without Heater) DC12V (±10%), Max. 990mA (With Heater)
			AC	AC24V (±10%), Max. 9W (Without Heater) AC24V (±10%), Max. 20W (With Heater)

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Last updated 10/8/2012

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Collection of 700TVL Camera Specifications

Box

- KPC-BSP6300NU
- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
- KPC-DNE100NUV18
- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

- KPC-E190NUWX
- KPC-EJ230NUWX
- KPC-VF291NU

Miniature Square

- KPC-E23NU
- KPC-E700NU
- KPC-EW38NU

Module

- ACE-EDR380NU
- ACE-M321NU

Outdoor Bullet

- KPC-N501NU
- KPC-N701NU
- KPC-N751NU
- KPC-NSP301NU

PTZ

- KPT-SPDN300NUCH

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KT&C, Inc.

STAND BEHIND OUR PRODUCTS

Part No.: KPC-E190NU

KPC-E190NUWX

KPC-E190NUDV

KPC-E190NUB

KPC-E190NUP1

KPC-E190NUP3

KPC-E190NUP4

High Quality Mini Bullet Camera

- 1/3˝ 960H SONY EXview HAD CCD II
- 700TVL Horizontal Resolution
- Automatic Gain Control (AGC)
- Automatic Tracking
- Automatic Backlight Compensation (BLC)
- Ultra Compact Size of 0.75˝ (Ø) Dimension
- Outstanding durability of IP67 (KPC-E190NUWX)

Key Features

- 700TVL Horizontal Resolution
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- Digital Noise Reduction (DNR)
- 0.05 Lux (30IRE@F2.0)
- Adaptive Tone-curve Reproduction (Digital WDR)
- Back Light Compensation (BLC)
- Mirror mode (optional)
- Outstanding durability of IP67 (KPC-E190NUWX)
- DC 12V

Superior Image Resolution of 700 TV Lines

A lot of resolution packed in our outdoor mini bullet . See the clarity of more than 700TV lines of resolution; ideal for discrete locations, transit industry, financial institutions and practical for indoor or outdoor environments.

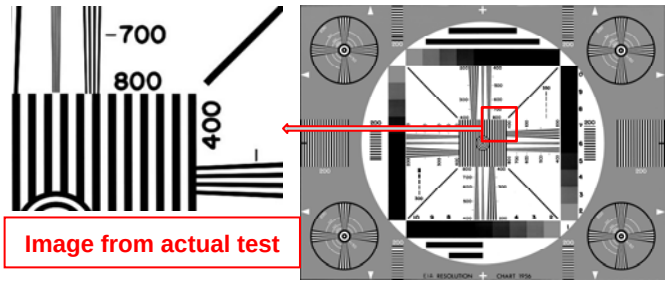

Image from actual test

2D Digital Noise Reduction (2D DNR)

The amount of low luminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clear and sharp image display even in the dark lighting condition.

High Color Reproduction

KPC-E190NU is equipped with more excellent color reproduction with wide range of ATW. (1,800K to 10,500K)

Color Chart Under Halogen Lamp

Still Object under Artificial Sunlight

Conventional | KPC-E190NU

Adaptive Tone-curve Reproduction (D-WDR)

ATR enhances the image quality between two contrasting light sources. It compensates for the dark and bright images without any saturation to obtain the best possible picture.

NORMAL | BLC | ATR ON

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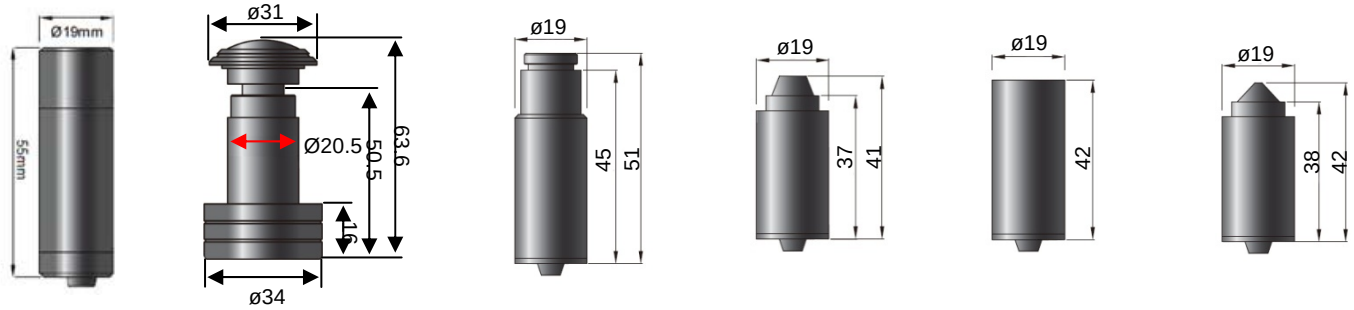
Part No.: KPC-E190NU

General Feature Diagram



Technical Specification

Model	KPC-E190NU
Signal System	NTSC
Image Sensor	1/3″ 960H SONY EXview HAD CCD II
Scanning System	2:1 Interlace
Scanning Frequency (H) x (V)	15.734 KHz X 59.74 Hz
Total Pixels	1020(H) x 596(V)
Effective Pixels	976(H) x 582(V)
Synchronization	Internal
Horizontal Resolution	700 TV Lines
Lens	1.78mm, 2.97mm, 3.6mm, 4.3mm, 6.0mm, 8.0mm, 16mm, P1, P3, P4
S/N	More than 50dB (AGC Off)
Min. Illumination	0.05 Lux (30IRE@F2.0)
Shutter Speed	1/60 ~ 1/100,000 sec
Video Output Level	1.0 Vp-p Composite (75Ω)
Gamma	γ = 0.45
Operating Temperature	-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)
Storage Temperature	-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)
Humidity	Less than 80%
Power Supply	DC 12V (Max 70mA)

Lens Option

		Board Lens (B)						Pinhole Lens		
	Type							**(P1)**	**(P3)**	**(P4)**
Lens (mm)	**Focal Length**	1.78	2.97	3.6	6	8	12	3.7	3.7	4.3
	Aperture	F3.0	F2.0	F2.0	F2.0	F2.0	F2.2	F2.0	F2.0	F2.0
	Angle of View	170˚	130˚	92˚	53˚	40˚	28˚	90˚	90˚	78˚

* Specifications & Features are subject to change without prior notice.

Last updated 12/19/2012

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KT&C, Inc.

STAND BEHIND OUR PRODUCTS

Part No.: KPC-E230NUWX

High Quality Mini Bullet Camera

- 700TVL Horizontal Resolution
- Min. Illumination of 0.0001 Lux
- Digital Noise Reduction (DNR)
- Adaptive Tone Reproduction (D-WDR)
- Water-Proof (IP67 Rating)
- Ultra Compact Size of 0.90”(Ø) Dimension

Key Features

- 1/3”960H Interline CCD
- 700TVL Horizontal Resolution
- Water-Proof (IP67)
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (Digital WDR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- DC 12V

Adaptive Tone-curve Reproduction (D-WDR)

ATR enhances the image quality between two contrasting light sources. It compen sates for the dark and bright images without any saturation to obtain the best possi ble picture.

NORMAL | BLC | ATR ON

2D Digital Noise Reduction (2D DNR)

The amount of low luminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clear and sharp image display even in the dark lighting condition.

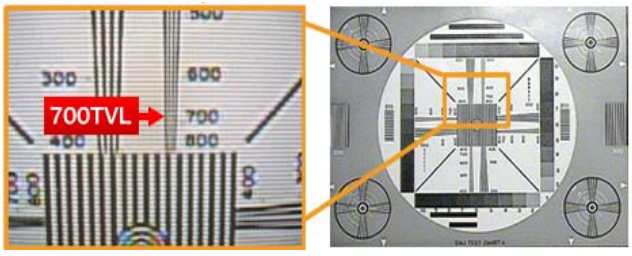
High Color Reproduction

KPC-E230NUWX is equipped with more excellent color reproduction with wide range of ATW. (1,800K to 10,500K)

Color Chart Under Halogen Lamp

Still Object under Artificial Sunlight

Conventional | KPC-E230NUWX



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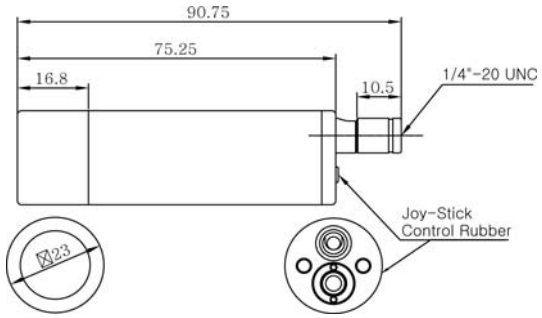
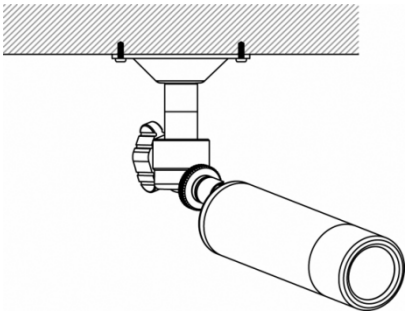
Part No.: KPC-E230NUWX

General Feature Diagram





Technical Specification

Model	KPC-E230NUWX
Signal System	NTSC
Image Sensor	1/3“ 960H Interline CCD
Scanning System	2:1 Interlace
Scanning Frequency (H) x (V)	15.734 KHz X 59.94 Hz
Total Pixels	1020(H) x 508(V)
Effective Pixels	976(H) x 494(V)
Synchronization	Internal
Horizontal Resolution	700 TV Lines
Lens	Fixed Board Lens 2.97mm, 3.6mm, 4.3mm, 6.0mm, 8.0mm, 12.0mm
S/N	More than 50dB (AGC Off)
Min. Illumination	0.0001 Lux / Faceplate
Shutter Speed	1/60 ~ 1/100,000 sec
Video Output Level	1.0 Vp-p Composite (75Ω)
Gamma	γ = 0.45
Operating Temperature	-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)
Storage Temperature	-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)
Humidity	Less than 80%
Power Supply	DC 12V (Max 110mA)

Lens Option

Lens (mm)	**Type**	**Board Lens**				
	Focal Length	2.97	3.6	6	8	12
	Aperture	F2.0	F2.0	F2.0	F2.0	F2.2
	Angle of View	130˚	92˚	53˚	40˚	28˚

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KT&C, Inc.

STAND BEHIND OUR PRODUCTS

Part No.: KPC-VF291NU

700 TV Line Mini Bullet Camera

- 700TVL Horizontal Resolution
- Min. Illumination 0.0001 Lux
- Water-Proof (IP67)
- 3.5~16.0mm Waterproof Varifocal Lens
- External Zoom & Focus Adjustable
- OSD with Built-in Joystick Controller
- 2D-DNR /ATR / HLC /
- Privacy Masking / Motion Detection / Mirror
- Ultra Compact Size of Ø1.14 X 4.80 inch

Key Features

- 1/3” 960H SONY ExView Super HAD CCD II
- 3.5 ~16.00mm waterproof varifocal lens
- External zoom and focus control
- Outstanding durability with IP67
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- High Light Compensation (HLC)
- 4-Zone (Privacy Masking / Motion Detection)
- Mirror / Brightness / Contrast / Sharpness / HUE/ Gain
- On-Screen Display (OSD) Menu
- DC 12V / AC 24V

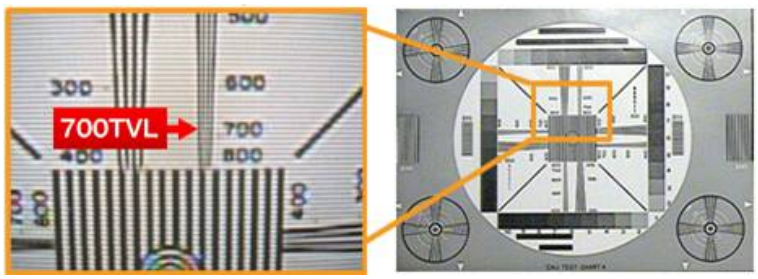
High Color Reproduction)

KPC-VF291NU equipped with more excellent Color reproduction. Wide Rage ATW (1,800K to 10,500K)

Conventional camera | 960H 700 TVL Camera

Superior Image Resolution of 700 TV Lines

A lot of resolution packed in our Out Door Mini -Bullet . See the clarity with 700 TV Lines of resolution. Ideal for discrete locations, transit industry, finan cial institutions and practical for Indoor or Outdoor environments.



Outstanding Durability with IP67

With Dust and Rain Resistant design which meets IP67 rating, this camera can be installed outdoor under building or the places that are exposed to dust and rain. Basically IP67 means waterproof protection : Down to 1M water submersion

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Part No.: KPC-VF291NU

ATR(Adaptive Tone-curve Reproduction)

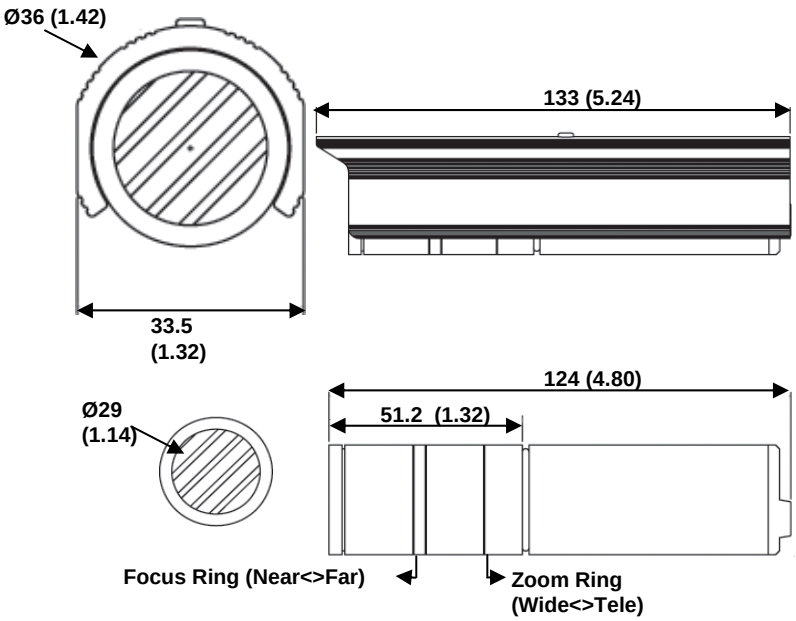
KPC-VF291NU provides gradation compensation to improve the contrast of subjects both low-luminance areas and high luminan ce areas exist in the same picture

Digital Noise Reduction

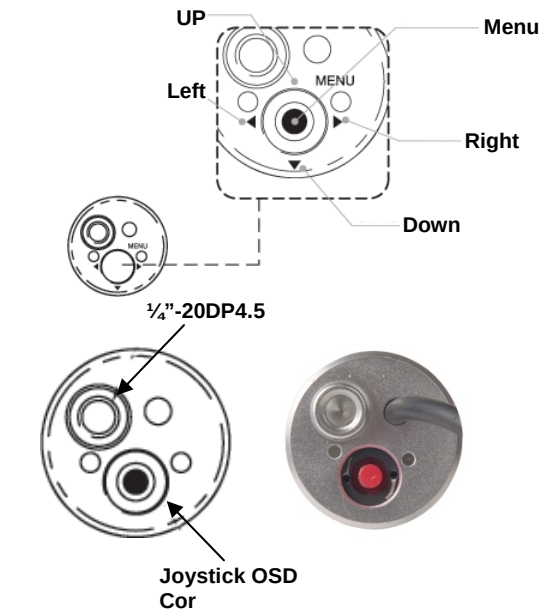
The amount of low luminance noise is remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution is improved, resulting in a clear and sharp image display even in dark condition.

General Feature Diagram

Unit: mm(inch)

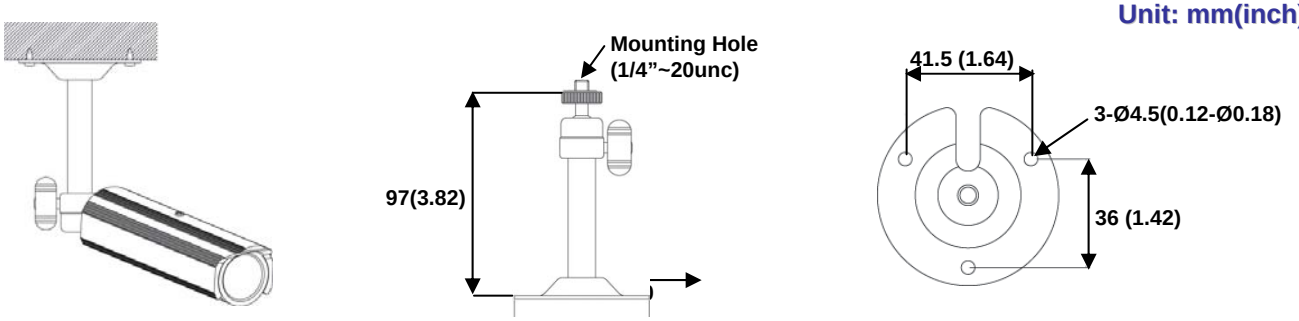


Convenient built-in OSD Menu joystick



Mounting Position

Unit: mm(inch)



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Part No.: KPC-VF291NU

Technical Specification

Model		KPC-VF291NU	KPC-VF291PU
Signal System		NTSC	PAL
Image Sensor		1/3“ 960H SONY ExView Super HAD CCD II	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens		3.5 ~ 16.0 mm Waterproof Varifocal Lens, External Control Zoom and Focus	
S/N		More than 50dB (AGC Off)	
Gamma		r = 0.45	
Min. Illumination		0.0001 Lux	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Day & Night		Digital Day & Night (ICR)	
Video Output Level		1Vp-p Composite (75Ω)	
IP Rating		IP67	
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)	
	BLC	Off / BLC / HLC	
	2DNR	On / OFF (Level adjustable)	
	ATR	On / OFF (Level adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Humidity		Less than 80%RH	
Power Supply		Dual Power: DC 12V ±10% (Max 100mA) / AC24V ±10% (Max 1.3W)	
Weight		250g	

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Collection of 700TVL Camera Specifications

Box

- KPC-BSP6300NU
- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
- KPC-DNE100NUV18
- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

- KPC-E190NUWX
- KPC-EJ230NUWX
- KPC-VF291NU

Miniature Square

- KPC-E23NU
- KPC-E700NU
- KPC-EW38NU

Module

- ACE-EDR380NU
- ACE-M321NU

Outdoor Bullet

- KPC-N501NU
- KPC-N701NU
- KPC-N751NU
- KPC-NSP301NU

PTZ

- KPT-SPDN300NUCH

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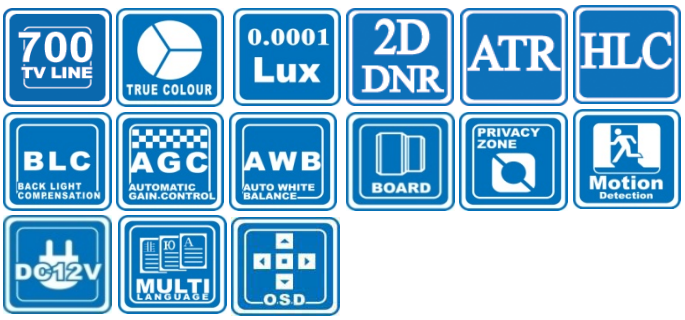
KT&C, Inc.

STAND BEHIND OUR PRODUCTS

Part No.: KPC-E23NU

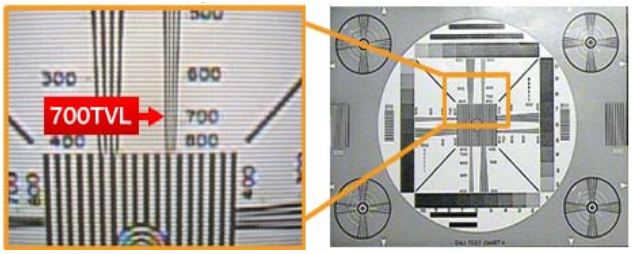
High Quality Mini Square Camera

- 1/3” 960H SONY ExView HAD CCD II
- 700TVL Horizontal Resolution
- Min. Illumination of 0.0001 Lux
- 2D Digital Noise Reduction (2D-DNR)
- Adaptive Tone Reproduction (D-WDR)
- Privacy Masking (8 Zones)
- Ultra Compact Size of 0.90”(Ø) Dimension
- Multilingual OSD



Key Features

- 1/3” 960H SONY ExView HAD CCD II
- 700TVL Horizontal Resolution
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (Digital WDR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 4-Zone (Privacy Masking / Motion Detection)
- Mirror / Brightness / Contrast / Sharpness / Hue / Gain
- Multilingual On Screen Display (OSD) Menu
- DC 12V



Adaptive Tone-curve Reproduction (D-WDR)

ATR enhances the image quality between two contrasting light sources. It compen sates for the dark and bright images without any saturation to obtain the best possi ble picture.

NORMAL | BLC | ATR ON

2D Digital Noise Reduction (2D DNR)

The amount of low luminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clear and sharp image display even in the dark lighting condition.

High Color Reproduction

KPC-E23NU is equipped with more excellent color reproduction with wide range of ATW. (1,800K to 10,500K)

Color Chart Under Halogen Lamp

Still Object under Artificial Sunlight

Conventional | KPC-E23NU

* Specifications & Features are subject to change without prior notice.

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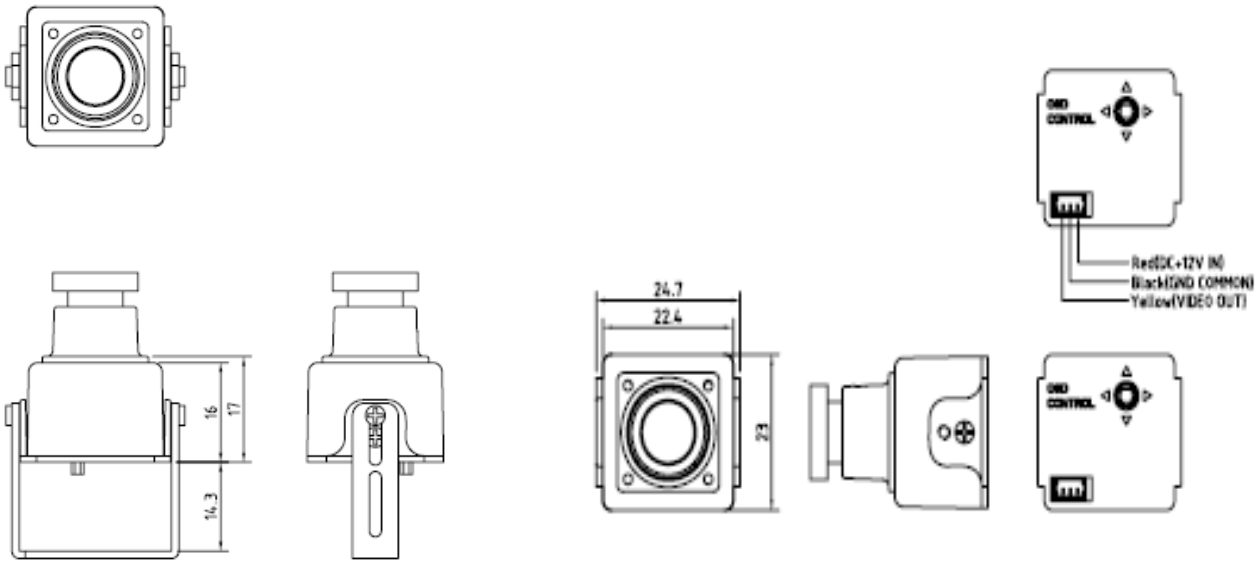
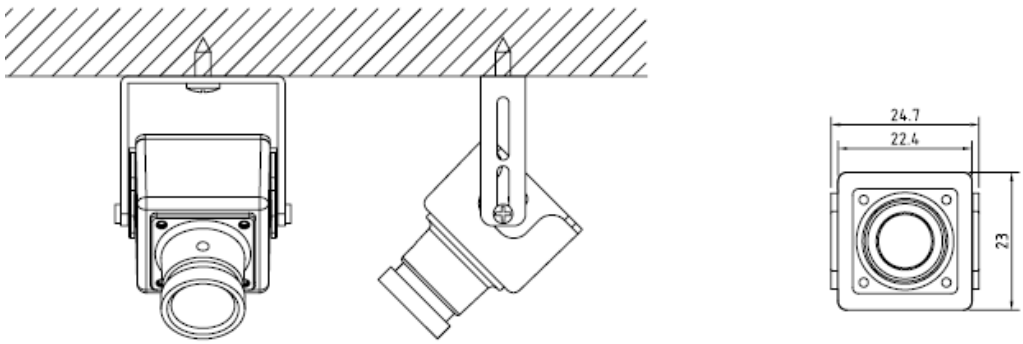
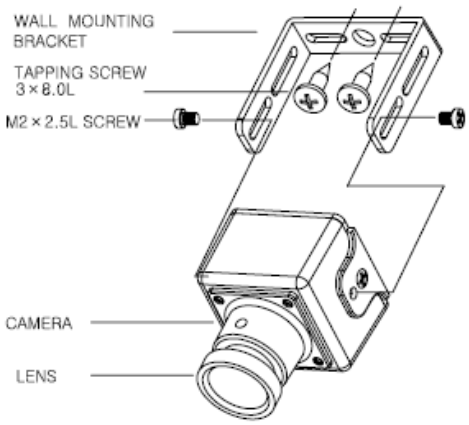
Part No.: KPC-E23NU

General Feature Diagram







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Part No.: KPC-E23NU

Technical Specification

Model		KPC-E23NU
Signal System		NTSC
Image Sensor		1/3” 960H SONY ExView HAD CCD II
Scanning System		2:1 Interlace
Scanning Frequency (H) x (V)		15.734 KHz X 59.94 Hz
Total Pixels		1020(H) × 508(V)
Effective Pixels		976(H) × 494(V)
Synchronization		Internal
Horizontal Resolution		700 TV Lines
Lens		Fixed Board Lens 2.97mm, 3.6mm, 4.3mm, 6.0mm, 8.0mm, 16mm
S/N		More than 50dB (AGC Off)
Min. Illumination		0.0001 Lux / Faceplate
Shutter Speed		1/60 ~ 1/100,000 sec
Video Output Level		1.0 Vp-p Composite (75Ω)
Gamma		γ = 0.45
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)
Humidity		10% ~ 80%
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)
	BLC	Off / BLC / HLC
	2DNR	On / OFF (Level Adjustable)
	ATR	On / OFF (Level Adjustable)
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock)
	Privacy Masking	4 Zones
	Mirror	On / Off
	Motion Detection	4 Zones
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish
Dimension		23mm x 23mm
Power Supply		DC 12V (Max 70mA)

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Last updated 2/10/2012

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Part No.: KPC-E700NU

KPC-E700NUB

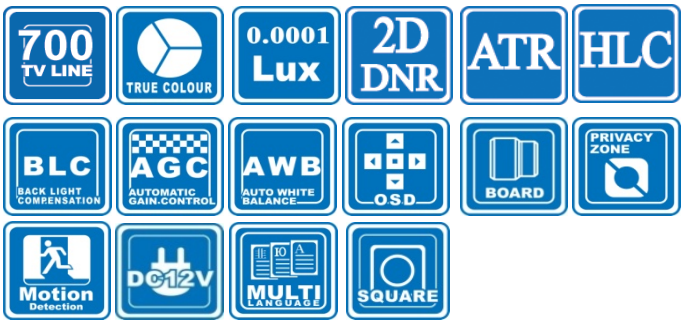
KPC-E700NUP1

KPC-E700NUP3

KPC-E700NUP4

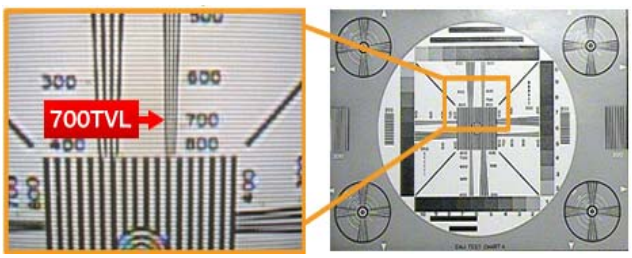
High Quality Mini Bullet Camera

- 700TVL Horizontal Resolution
- Min. Illumination of 0.0001 Lux
- Digital Noise Reduction
- Adaptive Tone-curve Reproduction (D-WDR)
- OSD with Built-in Joystick Controller
- Privacy Masking (8 Zones)
- Super Compact size of 1.18”(W) X 1.18”(H)



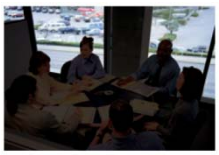
Key Features

- 1/3”960H Interline CCD
- 700TVL Horizontal Resolution
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (Digital WDR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 4-Zone (Privacy Masking / Motion Detection)
- Mirror / Brightness / Contrast / Sharpness / Hue / Gain
- Multilingual On Screen Display (OSD) Menu
- DC 12V



Adaptive Tone-curve Reproduction (Digital WDR)

ATR enhances the image quality between two contrasting light sources. It compen sates for the dark and bright images without any saturation to obtain the best possi ble picture.



NORMAL

BLC

ATR ON

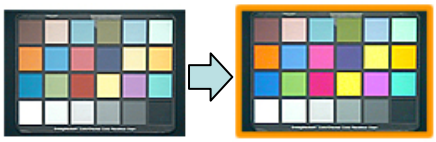
2D Digital Noise Reduction (2D DNR)

The amount of low luminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clear and sharp image display even in the dark lighting condition.

High Color Reproduction

KPC-E700NU is equipped with more excellent color reproduction from wide range of ATW. (1,800K to 10,500K)

Color Chart Under Halogen Lamp



Still Object under Artificial Sunlight

Conventional KPC-E700NU

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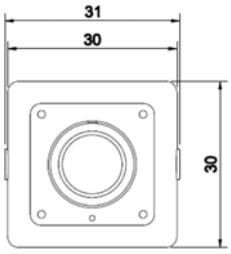
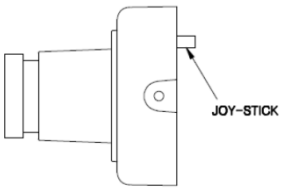
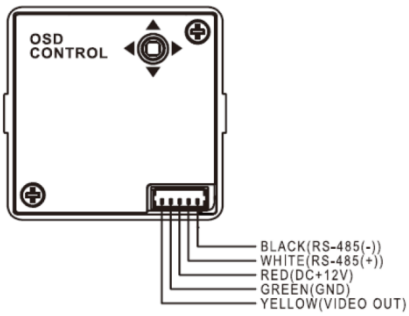
Part No.: KPC-E700NU

General Feature Diagram







Technical Specification

Model	KPC-E700NU
Signal System	NTSC
Image Sensor	1/3" 960H Interline CCD
Scanning System	2:1 Interlace
Scanning Frequency (H) x (V)	15.734 KHz x 59.94 Hz
Total Pixels	1020(H) x 508(V)
Effective Pixels	976(H) x 494(V)
Synchronization	Internal
Horizontal Resolution	700 TV Lines
S/N	More than 50dB (AGC Off)
Min. Illumination	0.0001 Lux / Faceplate
Shutter Speed	1/60 ~ 1/100,000 sec
Video Output Level	1.0 Vp-p Composite (75Ω)
Gamma	γ = 0.45
Operating Temperature	-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)
Storage Temperature	-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)
Humidity	Less than 80%
Power Supply	DC 12V (Max 110mA)

Lens Option

	Type	Board Lens (B)							Pinhole Lens			Vari-focal Lens / Fixed Iris (V)
									(P1)	(P3)	(P4)	
Lens (mm)	Focal Length	2.45	2.97	3.6	6	8	12	16	3.7	3.7	4.3	4.0-8.0
	Aperture	F2.0	F2.0	F2.0	F2.0	F2.0	F2.0	F2.2	F2.0	F2.0	F2.0	F2.0-360
	Angle of View	150˚	130˚	92˚	53˚	40˚	28˚	19˚	90˚	90˚	78˚	89.2˚ - 44.2˚

* Specifications & Features are subject to change without prior notice.

Last updated 2/21/2012

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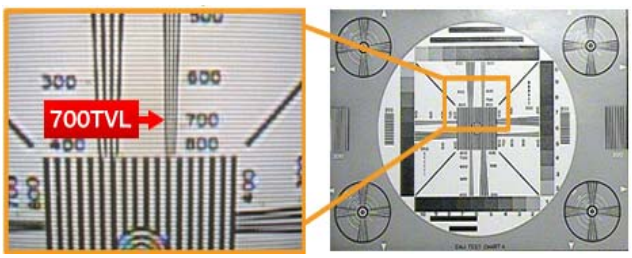
Part No.: KPC-EW38NU

WDR Mini Square Camera

- 700TVL Horizontal Resolution
- Min. Illumination of 0.1 Lux
- Wide Dynamic Range (WDR)
- DSS (Digital Slow Shutter) / Digital Zoom 3X
- 2D/3D Digital Noise Reduction
- OSD with Built-in Joystick Controller
- Privacy Masking (15 Zones)
- Super Compact size of 38mm(W) X 38mm(H)

Key Features

- 1/3" 960H Double Scan Super HAD CCD II
- 700TVL Horizontal Resolution
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- 3D Digital Noise Reduction (3D DNR)
- Digital Slow Shutter (DSS)
- Digital Day & Night
- WDR, BLC, HLC, AGC
- 15-Zone (Privacy Masking / Motion Detection)
- Mirror / Brightness / Contrast / Sharpness / Hue / Gain
- Multilingual On Screen Display (OSD) Menu with built-in Joystick controller
- DC 12V



WDR (Wide Dynamic Range)

To get detail information from dark and bright combination image without any saturation, the WDR technology is required. It combines bright areas with high shutter speed exposure and dark areas with low shutter speed exposure into one composite image

Normal BLC WDR on

DSS Technology

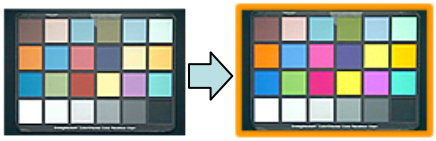
Digital Slow Shutter (DSS) technology enhances the low light performance of the camera, producing outstanding images in low light conditions. DSS slows the picture frame rate and increases the camera's light sensitivity.

Conventional Camera KPC-EW35NU

High Color Reproduction

KPC-EW38NU is equipped with more excellent color reproduction from wide range of ATW. (1,800K to 10,500K)

Color Chart Under Halogen Lamp



Still Object under Artificial Sunlight

Conventional **KPC-EW38NU**

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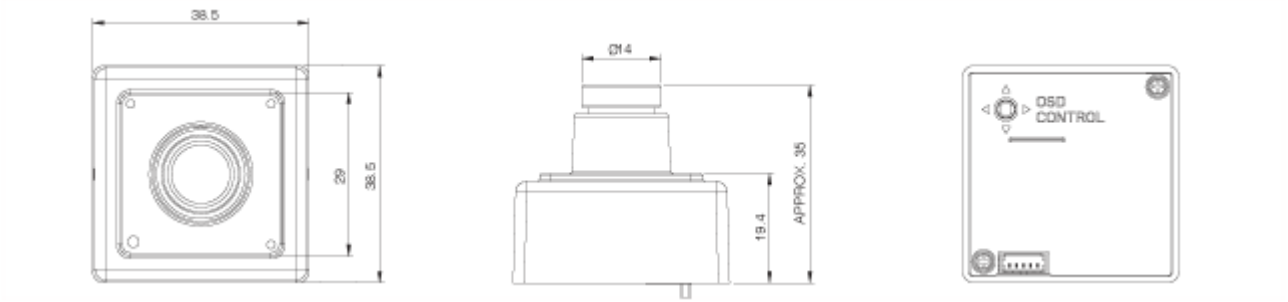
Part No.: KPC-EW38NU

General Feature Diagram



Technical Specification

Model		KPC-EW38NU
Image Sensor		1/3" 960H SONY Double Scan Super HAD CCD II
Scanning System		2:1 Interlace
Horizontal Resolution		700TV Lines
Scanning Frequency		15.734 KHz (H) x 59.94 Hz (V)
Total / Effective Pixels		1028(H) x 508(V) / 976(H) x 494(V)
Lens		Board lens (M12)
S/N		More than 50dB (AGC Off, 3DNR On)
Gamma		r = 0.45
Min. Illumination		Color : 0.1Lux, BW : 0.1Lux (30IRE@F2.0, AGC 36dB) 0.000001Lux (DSS x256)
Shutter Speed		1/60 ~ 1/100,000 sec
Day & Night		Digital Day & Night
Digital Zoom Ratio		3x
Video Output Level		1.0 Vp-p Composite (75Ω)
Function (Built-in On-Screen Display)	**WDR**	On / Off (Level Adjustable)
	BLC	Off / On (Level Adjustment, Area Selection)
	2DNR / 3DNR	On / Off (Level Adjustable)
	AGC	Off, 6 ~ 36 dB
	White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH-LOCK
	Privacy Masking	15 Zones (Area Adjustment)
	Motion Detection	On / Off (Level Adjustable, Area Adjustment)
	Digital Slow Shutter	OFF, 2 ~ 256 Field
	Language Option	English, Russian, Spanish, German, French, Portuguese, Japanese
Operating Temperature		14˚F ~ 122˚F (-10˚C~ + 50˚C)
Storage Temperature		-4˚F ~ 140˚F (-20˚C~ + 60˚C)
Power Supply		DC12V ±10% Max. 140 mA W

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Collection of 700TVL Camera Specifications

Box

- KPC-BSP6300NU
- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
- KPC-DNE100NUV18
- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

- KPC-E190NUWX
- KPC-EJ230NUWX
- KPC-VF291NU

Miniature Square

- KPC-E23NU
- KPC-E700NU
- KPC-EW38NU

Module

- ACE-EDR380NU
- ACE-M321NU

Outdoor Bullet

- KPC-N501NU
- KPC-N701NU
- KPC-N751NU
- KPC-NSP301NU

PTZ

- KPT-SPDN300NUCH

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KT&C, Inc.

STAND BEHIND OUR PRODUCTS

Part No.: ACE-EDR380NU

WDR Board Module

- 1/3˝ 960H SONY Double Scan Super HAD CCD II
- Powerful WDR (Wide Dynamic Range) Performance
- 700TVL Horizontal Resolution
- True Mechanical Day and Night (ICR)
- DSS Low Light Technology
- Multilingual OSD
- Privacy Masking / Image Function

Key Features

- 1/3˝ 960H SONY Double Scan Super HAD CCD II
- Powerful WDR (Wide Dynamic Range) Performance
- 700TVL Horizontal Resolution
- True Mechanical Day and Night (ICR)
- Fixed Iris Board, Pinhole, C/CS Mount, Varifocal Lens
- Digital Slow Shutter (DSS) Low Light Technology
- On Screen Display (OSD) Menu
  (English, Spanish, German, Russian, Chinese)
- Privacy Masking Up to 15 Areas
- Various Image Adjustments (Normal / H / V / HV), Freeze
- Advanced Back Light Compensation (BLC)
- Automatic Gain Control (AGC)
- Automatic White Balance (AWB)
- Digital Zoom, 3x
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- RS232C TTL Remote Setup Control
- DC12V Only

DSS Low Light Technology

Digital Slow Shutter (DSS) is a technology that enhances the low light performance of a camera, producing outstanding images in low light conditions, DSS slow the picture frame rate and increase the cameras sensitivity.

DSS OFF

DSS ON

Automatic Gain Control (AGC)

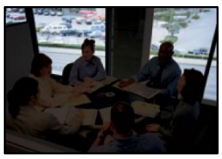
This camera is built with an advanced AGC function, which automatically boosts the camera gain to allow a user monitoring the subject more clearly in low light conditions.

Automatic Tracing White Balance (ATW)

The ATW function supports fast, active shooting by automatically adjusting the white balance in real time as the lighting conditions change.

WDR (Wide Dynamic Range)

To get detail information from dark and bright combination image without any saturation, the WDR technology is required. It combines bright areas with high shutter speed exposure and dark areas with low shutter speed exposure into one composite image.



NORMAL

BLC

WDR ON

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Part No.: ACE-EDR380NU

Technical Specification

Model		ACE-EDR380NU	ACE-EDR380PU
Signal System		NTSC	PAL
Image Sensor		1/3″ 960H SONY Double Scan Super HAD CCD II	
Scanning System		2:1 Interlace	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020(H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Horizontal Resolution		700TVL	
Day & Night		True Mechanical Day and Night (ICR)	
Digital Slow Shutter		OFF, 2 ~ 128 Field	
WDR		On / Off / Auto (Level Adjustment)	
Synchronization		Internal	
S/N		More than 50dB (AGC OFF, 3DNR ON)	
Min. Illumination		0.08 Lux (Color) / 0.04 Lux (B/W) (30IRE@F1.2, AGC High)	
Video Output Level		1Vp-p Composite (75Ω)	
Function	OSD	Built-in	
	Back Light Compensation (BLC)	ON / OFF (Level Adjustable, Area Selection)	
	Digital Zoom Ratio	3x	
	Auto Gain Control (AGC)	Low / Mid / High	
	White Balance	ATW / PUSH / PUSH-LOCK / MANUAL (R Gain, B Gain)	
	Privacy Masking	Zone 15 each (Mask OFF / ON)	
	Image Function	Image Reverse (Normal / H / V / HV), Freeze	
	Language Option	English / Chinese / Russian / Spanish / German	
External Control		A/D Key, RS-232C TTL (RS485 Option)	
Gamma		γ = 0.45	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Humidity		Less than 80%RH	
Power Supply		DC12V (±10%), Max. 170mA	
Dimensions		38mm (W) x 38mm (H) x 3 Board 1.50” (W) x 1.50” (H) x 3 Board	

* Specifications & Features are subject to change without prior notice.

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Part No.: ACE-M321NU

ACE-M321NU

B

ACE-M321NUP1

ACE-M321NUP3

ACE-M321NUP4

Ultra Resolution Color Camera Module

- 700 TVL Horizontal Resolution
- Min. Illumination of 0.05 Lux (30IRE@F2.0)
- 2 Digital Noise Reduction (2D DNR)
- ATR, AGC, ATW, BLC
- Dimension: 1.26 inch (W) x 1.26 inch (H)

Key Features

- 1/3″ 960H Interline CCD
- 700TVL Horizontal Resolution
- 2D Digital Noise Reduction (2D DNR)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Dimension: 1.26 inch (W) x 1.26 inch (H)
- DC 12V

ATR(Adaptive Tone-curve Reproduction)

This function provides gradation compensation to improve the contrast of subjects both low-luminance areas and high luminance areas exist in the same picture.

Over Exposure Area Dark Area

2D Digital Noise Reduction (2D DNR)

The amount of low illuminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clear and sharp image display even in the dark lighting condition.

Superior Quality of 700 TV Lines

A lot of resolution packed in our compact mini dome. See the clarity with more than 700TV lines of resolution, Ideal for discrete locations such as transit industry, financial institutions and practical for Indoor or outdoor environments.

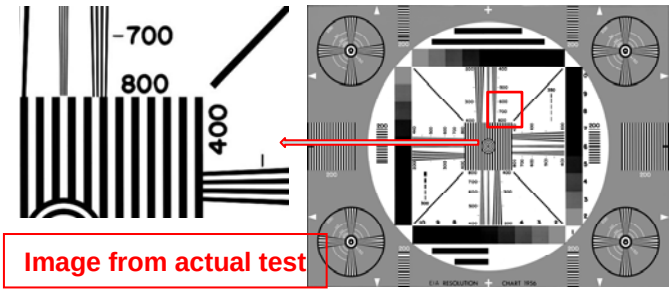

Image from actual test

Privacy Image Masking

For the privacy protection in the open area observation, some particular area can be masked for privacy purposes. User can easily setup the masking sizes and positions of the desired zones. 4 Privacy Zone available.

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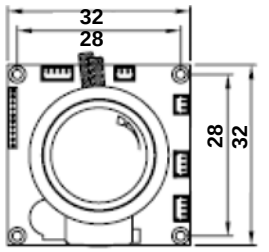
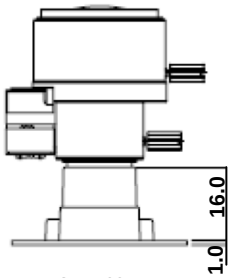
Part No.: ACE-M321NU

Technical Specification

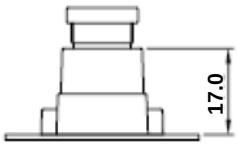
Image Device	1/3“ 960H Interline CCD
Scanning System	2 : 1 Interlace
Scanning Frequency	H: 15.734 (KHz), V: 59.94 Hz)
Total Pixels	1020(H) x 508(V)
Effective Pixels	976(H) x 494(V)
Horizontal Resolution	700 TVL
Electronic Shutter	1/60 ~ 1/100,000sec Auto
S/N Ratio	More than 50dB (AGC Off)
Sensitivity	0.05 Lux / F2.0
Gamma Correction	λ = 0.45
Sync System	Internal
Video Output	Composite 1 ［Vp-p］ 75(Ω) unbalanced
Lens	Fixed Board / Pinhole / Varifocal / C-Mount Lens
2DNR	Yes
AGC	Off, Low, Mid, High (Default: Mid)
White Balance	ATW or Anti-CR
Day and Night	Digital Day and Night
Power Supply	DC12V (±10%), Max. 120mA
Operating Temperature	-10˚C ~ +50˚C
Storage Temperature	-20˚C ~ +60˚C
Operating Humidity	10% ~ 80%

Dimensions (Unit: mm)



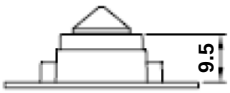


ACE-M321NUV



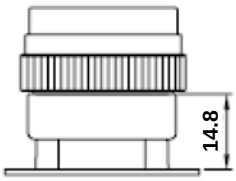
ACE-M321NUB

ACE-M321NUP1



ACE-M321NUP3

ACE-M321NUP4



ACE-M321NU(C-Mount)

Lens Option

Lens (mm)	Type	Board Lens (B)												Pinhole Lens			Vari-Focal (V)	C/CS Mount
														(P1)	(P3)	(P4)		
	Focal Length	1.24	1.78	2.1	2.45	2.97	3.6	6	8	12	16	25	50	3.7	3.7	4.3	4.0 ~8.0	Lens Mount Only
	Aperture	F2.8	F3.0	F2.0	F2.0	F2.0	F2.0	F2.0	F2.0	F2.2	F2.5	F2.5	F2.5	F2.0	F2.0	F2.0	F20~F2.8	
	Angle of View	190˚	170˚	160˚	150˚	130˚	92˚	53˚	40˚	28˚	19˚	13.8˚	9.2˚	90˚	90˚	78˚	89.2˚~44.2˚	

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Last updated 1/31/2012

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Collection of 700TVL Camera Specifications

Box

- KPC-BSP6300NU
- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
- KPC-DNE100NUV18
- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

- KPC-E190NUWX
- KPC-EJ230NUWX
- KPC-VF291NU

Miniature Square

- KPC-E23NU
- KPC-E700NU
- KPC-EW38NU

Module

- ACE-EDR380NU
- ACE-M321NU

Outdoor Bullet

- KPC-N501NU
- KPC-N701NU
- KPC-N751NU
- KPC-NSP301NU

PTZ

- KPT-SPDN300NUCH

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Part No.: KPC-N501NU

Invisible IR Outdoor Bullet Color Camera

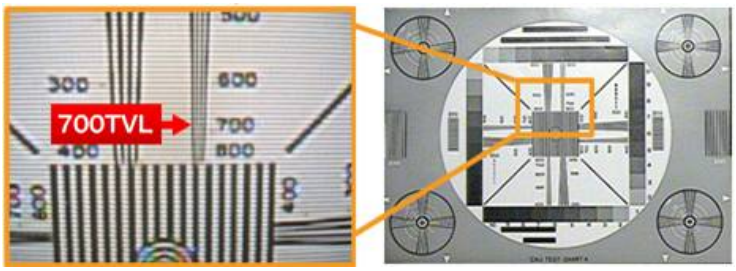
- 700TVL Horizontal Resolution
- 20 Units of Invisible IR LED with Max. 75ft
- Lens: 2.8~12mm, 3.8~9.5mm or 9~22mm
- Weatherproof (IP66) with Dual Window Structure
- External Zoom & Focus Adjustable
- True Mechanical Day & Night
- ATR / HLC / Privacy Masking / Motion Detection / Mirror
- Multilingual OSD
- Adaptive Tone-curve Reproduction (ATR)
- DC 12V / AC 24V Dual Power

Key Features

- 20 Units of Invisible IR LED
- 1/3” 960H Interline CCD
- 700TVL Horizontal Resolution
- Outstanding Durability with IP66
- Varifocal (2.8~12mm, 3.8~9.5mm or 9 ~22mm)
- True Mechanical Day & Night
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 4 Zone (Privacy Masking / Motion Detection)
- Mirror / Brightness / Contrast / Sharpness / HUE / Gain
- Multilingual On Screen Display (OSD) Menu
- DC 12V / AC 24V Dual Power
- Second Video Output Terminal for Easy Servicing

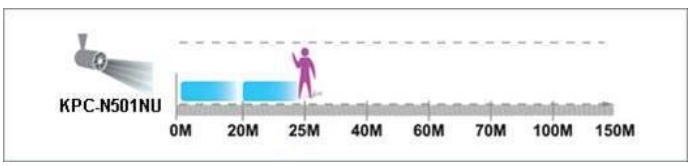
Superior Image Resolution of 700 TV Lines

27% more effective pixel than previous generation of high resolution camera would bring up the quality of the image immensely. Experience the clarity of 700 TVL resolution. Ideal for discrete locations, transit industry, financial Institutions and more. Practical choice for both indoor and outdoor environments.



20 High Performance 940nm Invisible IR LEDs

KPC-N501NU is equipped with 20 units of high performance invisible IR LEDs that are much higher luminous efficiency than traditional LED. These IR LEDs lead to many other advantages, such as long irradiation distance, wide illumination angle, uniform light, stable performance and long life span. This camera can cover the reliable video surveillance up to 75 feet.



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KT&C USA, Inc.: (West)
3240 Wilshire Blvd. #501, Los Angeles, CA 90010
T: 213-381-0061 / F: 213-381-0061 E: sales-usa@ktncusa.com

Part No.: KPC-N501NU

High Color Reproduction

KPC-N501NU is equipped with excellent color reproduction and wide range of ATW mode.(1,800K to 10,500K)

Color Chart Under Halogen Lamp

Still Object under Artificial Sunlight

Conventional 960H 700 TVL Camera

Privacy Image Masking

For the privacy protection in the open area observation, some particular area can be masked for privacy purposes. Users can easily setup the masking areas of the desired zones.
4 Privacy Zone available.

ATR(Adaptive Tone-curve Reproduction)

KPC-N501NU provides gradation compensation to improve the contrast of subjects in both low-luminance areas and high luminance areas in the same picture.

Conventional camera 960H 700TVL camera

2D Digital Noise Reduction (2D DNR)

The amount of low luminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clear and sharp image display even in the dark lighting condition.

Convenient OSD Menu

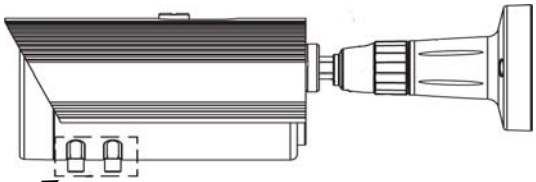
All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen so that users can adjust this camera for optimal setting with great convenience.

Motion Detection

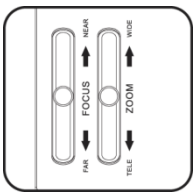
KPC-N501NU detects a motion of any objects on the screen and transmits alert signal into the external alarm to have user's attention on the screen.

External Zoom and Focus Adjustable

KPC-N501NU has convenient external Zoom and focus controller for Easy installation.

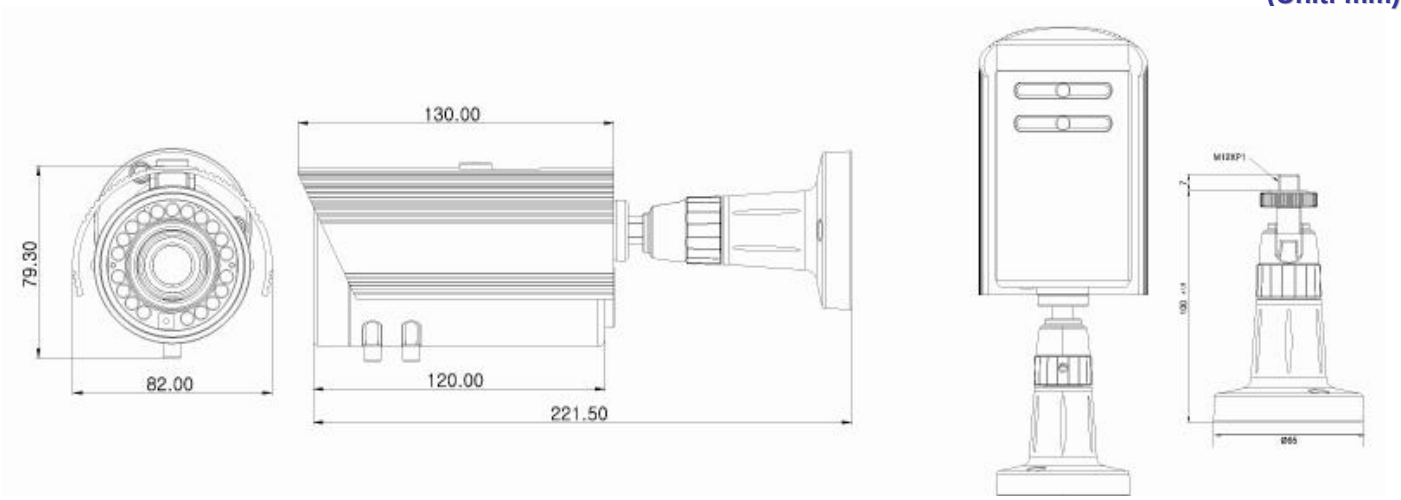


External Zoom and focus



General Feature Diagram

(Unit: mm)



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Part No.: KPC-N501NU

Technical Specification

Model		KPC-N501NU	
Signal System		NTSC	PAL
Image Sensor		1/3“ 960H Interline CCD	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens Size		Varifocal 2.8 ~12.0 mm, 3.8 ~ 9.5 mm, or 9 ~ 22 mm	
S/N		More than 50dB (AGC Off)	
Gamma		r = 0.45	
Min. Illumination		0 Lux (IR LED On)	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
IR LED		Invisible IR (940nm), 20 ea, up to 25 m	
IR LED Operation		On (1 Lux), Off (3 Lux)	
Day & Night		True Mechanical Day & Night (ICR)	
Video Output Level		1Vp-p Composite (75Ω)	
IP Rating		IP66 (Weatherproof)	
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)	
	BLC	Off / BLC / HLC	
	2DNR	On / OFF (Level Adjustable)	
	ATR	On / OFF (Level Adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Dimension (mm)		82 Φ x 79.3	
Power Supply		DC 12V ±10% (Max. 360mA) / AC 24V ±10% (Max. 4.9W)	

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Part No.: KPC-N701NU

Smart IR Outdoor Bullet Color Camera

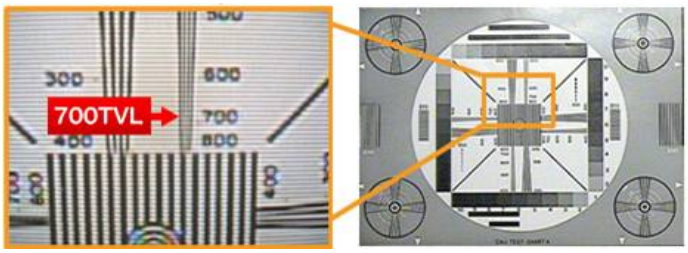
- 700TVL Horizontal Resolution
- 45 Units of Smart IR LED with Max. 150ft
- Lens options: 2.8~12mm or 9.0~22mm
- Waterproof (IP67) with Dual Window Structure
- External Zoom & Focus Adjustable
- True Mechanical Day & Night (ICR)
- ATR / HLC / Privacy Masking / Motion Detection / Mirror
- Multilingual OSD
- Adaptive Tone-curve Reproduction (ATR)
- DC 12V / AC 24V Dual Power

Key Features

- 45 Units of Smart IR LED
- 1/3” 960H Interline CCD
- 700TVL Horizontal Resolution
- Outstanding Durability with IP67
- Megapixel Varifocal (2.8~12mm or 9~22 mm)
- True Mechanical Day & Night
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 4 Zone (Privacy Masking / Motion Detection)
- Mirror / Brightness / Contrast / Sharpness / HUE / Gain
- Multilingual On Screen Display (OSD) Menu
- DC 12V / AC 24V
- Second Video Output Terminal for Easy Servicing

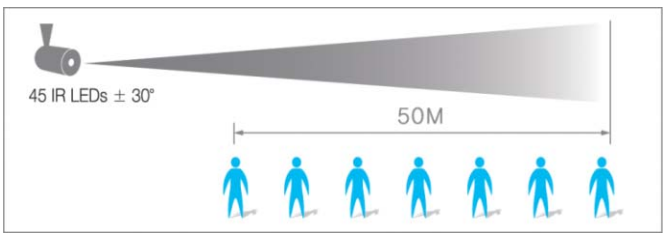
Superior Image Resolution of 700 TV Lines

27% more effective pixel than previous generation of high resolution camera would bring up the quality of the image immensely. Experience the clarity of 700 TVL resolution. Ideal for discrete locations, transit industry, financial Institutions and more. Practical choice for both indoor and outdoor environments.



45 High Performance Smart IR LEDs

KPC-N701NU is equipped with 45 units of high performance smart IR LEDs that adjust the IR LED’s strength so that the user can have the best image possible regardless of the distance from the camera to an object. This camera can cover the reliable video surveillance up to 150 feet.



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Part No.: KPC-N701NU

High Color Reproduction

KPC-N701NU is equipped with excellent color reproduction and wide range of ATW mode.(1,800K to 10,500K)

Color Chart Under Halogen Lamp

Still Object under Artificial Sunlight

Conventional 960H 700 TVL Camera

Convenient OSD Menu

All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen so that users can adjust this camera for optimal setting with great convenience.

Privacy Image Masking

For the privacy protection in the open area observation, some particular area can be masked for privacy purposes. Users can easily setup the masking areas of the desired zones.
4 Privacy Zone available.

Motion Detection

KPC-N701NU detects a motion of any objects on the screen and transmits alert signal into the external alarm to have user's attention on the screen.

2D Digital Noise Reduction (2D DNR)

The amount of low luminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clear and sharp image display even in the dark lighting condition.

ATR(Adaptive Tone-curve Reproduction)

KPC-N701NU provides gradation compensation to improve the contrast of subjects in both low-luminance areas and high luminance areas in the same picture.

Conventional camera

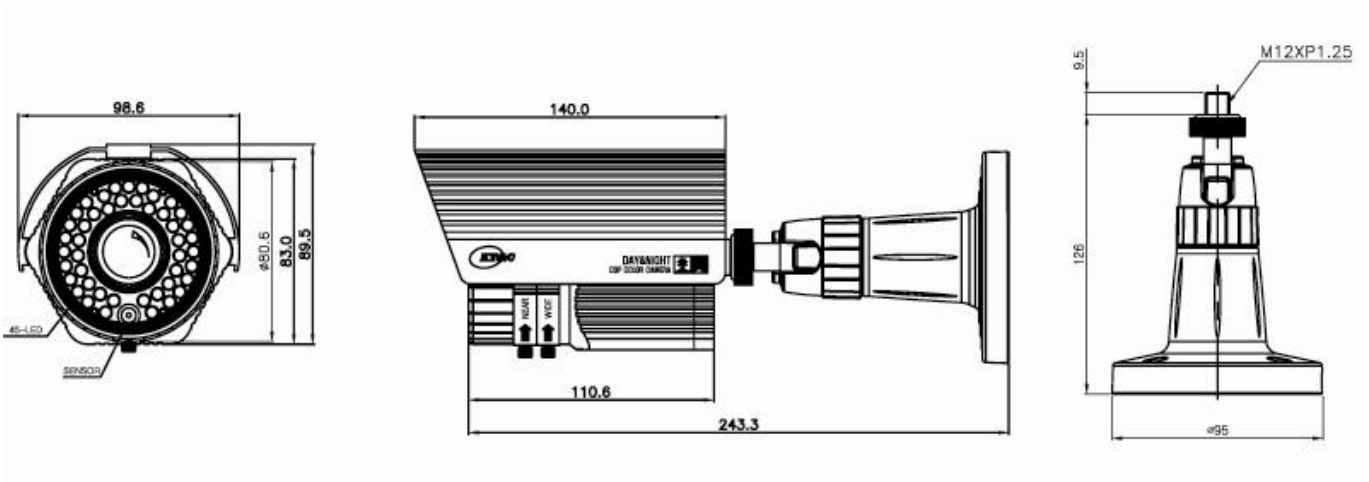
960H 700TVL camera

Outstanding Durability with IP67

With Dust and Rain Resistant Design, this camera boasts IP67 rating that resist dust and rain of outdoor environment. It can be a perfect solution for outdoor surveillance, such as building eaves , loading docks, factories, storage yards and so on.

General Feature Diagram

(Unit: mm)



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Part No.: KPC-N701NU

Technical Specification

Model		KPC-N701NU	
Signal System		NTSC	PAL
Image Sensor		1/3“ 960H Interline CCD	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens Size		Megapixel Varifocal 2.8 ~12.0mm or 9 ~ 22mm	
S/N		More than 50dB (AGC Off)	
Gamma		r = 0.45	
Min. Illumination		0 Lux (IR LED On)	
Shutter Speed		1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
IR LED		Smart IR (850 nm), 45 ea, up to 50m	
IR LED Operation		On (1 Lux), Off (3 Lux)	
Day & Night		True Mechanical Day & Night (ICR)	
Video Output Level		1Vp-p Composite (75Ω)	
IP Rating		IP67 (Waterproof)	
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)	
	BLC	Off / BLC / HLC	
	2DNR	On / OFF (Level Adjustable)	
	ATR	On / OFF (Level Adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Dimension (mm)		78 Φ x 110.5mm	
Power Supply		DC12(±10%),Max 1.1A (IR & Heater On) / AC24(±10%),Max 21W (IR & Heater On)	

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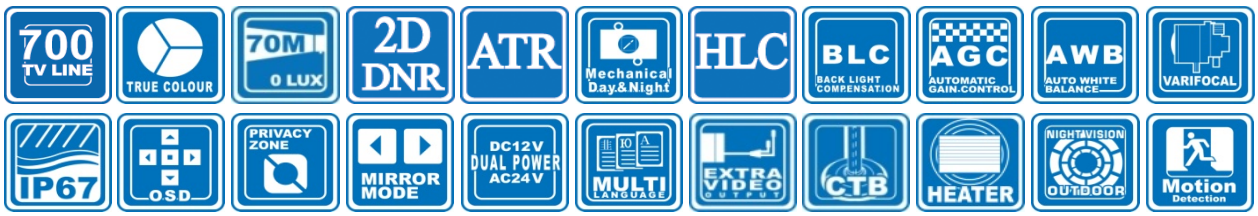
Part No.: KPC-N751N(P)U

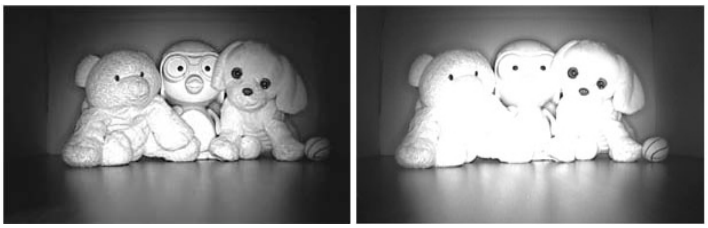
Smart IR Outdoor Bullet Color Camera

- 700TVL Horizontal Resolution
- 10 High Power LEDs, Smart IR
- Focus Adjustment Helper, Varifocal Auto IRIS Lens
- Outstanding Durability with IP67
- External Zoom & Focus Adjustable
- Heater
- True Mechanical Day & Night (ICR)
- ATR, BLC, HLC
- Privacy Mask, Motion Detection, Compensation, Mirror
- Dual Power



Key Features

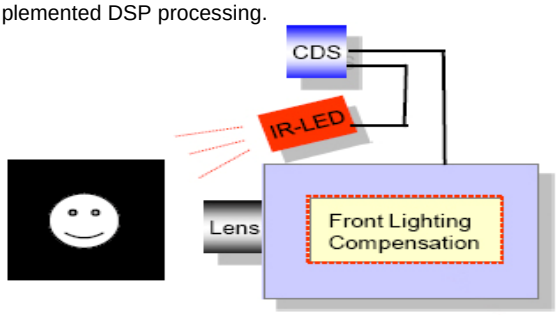
- 10 Units of High Power LEDs, up to 230ft (70m)
- Smart IR (IR Optimization)
- Focus Adjustment Helper (Focus Adjust Window)
- Varifocal Auto IRIS Lens f=5~50mm (F1.4)
- Second Video Output Terminal for Easy Servicing
- Waterproof (IP67) with Dual Window Structure
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- Privacy Masking (Transparency and Mosaic)
- Motion Detection (Available in 4 Different Colors)
- Compensation [White Dot (Dead Pixel) Compensation]
- Mirror Mode Available
- DC12V / AC24V



IR Optimizer: ON | IR Optimizer: OFF

IR Optimization

Excessive front lighting condition by IR LED can be compensated by newly implemented DSP processing.



Focus Adjustment Helper

Focus adjustment helper function can help detect a best focal point. High value = best focal point; value may vary depending on distance.

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Part No.: KPC-N751N(P)U

High Color Reproduction

KPC-N751NU is equipped with excellent color reproduction and wide range of ATW mode. (1,800K to 10,500K)

Color Chart Under Halogen Lamp

Still Object under Artificial Sunlight

Conventional | 960H 700 TVL Camera

Convenient OSD Menu

All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen so that users can adjust this camera for optimal setting with great convenience.

Privacy Image Masking

For the privacy protection in the open area observation, some particular area can be masked for privacy purposes. Users can easily setup the masking areas of the desired zones.
4 privacy zones and transparency, mosaic option available.

Motion Detection

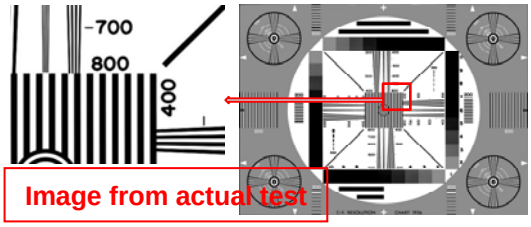
KPC-N751NU detects a motion of any objects on the screen and changes color of the screen to have user's attention. 4 motion detection zones available.

Outstanding Durability with IP67

With Dust and Rain Resistant Design, this camera boasts IP67 rating that resist dust and rain of outdoor environment. It can be a perfect solution for outdoor surveillance, such as building eaves , loading docks, factories, storage yards and so on.

Superior Image Resolution of 700 TV Lines

27% more effective pixel than previous generation of high resolution camera would bring up the quality of the image immensely. Experience the clarity of 700 TVL resolution. Ideal for discrete locations, transit industry, financial Institutions and more. Practical choice for both indoor and outdoor environments.



2D Digital Noise Reduction (2D DNR)

The amount of low luminance noise if remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clear and sharp image display even in the dark lighting condition.

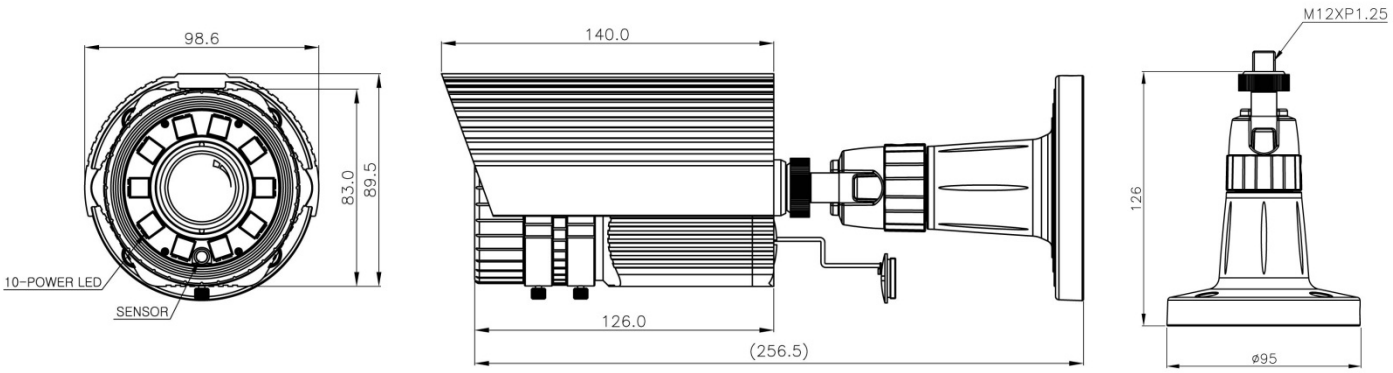
ATR (Adaptive Tone-curve Reproduction)

KPC-N751NU provides gradation compensation to improve the contrast of subjects in both low-luminance areas and high luminance areas in the same picture.

Conventional Camera | 960H 700TVL Camera

General Feature Diagram

(Unit: mm)



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Part No.: KPC-N751N(P)U

Technical Specification

Model		KPC-N751N(P)U	
Signal System		NTSC	PAL
Image Sensor		1/3″ 960H SONY EXview HAD CCD II	
Scanning System		2:1 Interlace	
Horizontal Resolution		700TV Lines	
Scanning Frequency (H)		15.734 KHz	15.625 KHZ
Scanning Frequency (V)		59.94 Hz	50 Hz
Total Pixels		1020(H) x 508(V)	1020H) x 596(V)
Effective Pixels		976(H) x 494(V)	976(H) x 582(V)
Synchronization		Internal	
Lens Size		Varifocal Auto IRIS Lens f=5~50mm (F1.4)	
S/N		More than 50dB (AGC OFF)	
Min. Illumination		0 Lux (IR LED ON)	
IR LED		10 High Power LEDs, 850nm	
IR Distance		230ft (70m)	
Day & Night		True Mechanical Day & Night (ICR)	
IP Rating		IP67	
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)	
	BLC	OFF / BLC / HLC	
	2DNR	ON / OFF (Level Adjustable)	
	ATR	ON / OFF (Level Adjustable)	
	White Balance	ATW / PUSH / MANUAL / PUSH-LOCK	
	Privacy Masking	4 Zones (transparency and mosaic option)	
	Motion Detection	4 Zones [(4 different colors) Level Adjustable]	
	Smart IR (IR Optimization)	ON / OFF (Level Adjustable)	
	Focus Optimization	Focus Window (ON / OFF)	
	Compensation	ON / OFF	
	Mirror	ON / OFF	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish / Chinese	
Operating Temperature		14°F ~ 122°F (-10℃ ~ 50℃) Heater On : -40°F ~ 122°F (-40℃ ~ 50℃)	
Storage Temperature		-4°F ~ 140°F (-20℃ ~ 60℃)	
Dimension (mm)		98.6(W) x 83(H) x 126(D)	
Weight		1.37kg / 3.0lb	
Power		DC12V (±10%), Max. 760mA (without Heater), Max. 990mA (with Heater) AC24V (±10%), Max. 9W (without Heater), Max. 20W (with Heater)	

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Last updated 10/9/2012

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KT&C, Inc.

WE STAND BEHIND OUR PRODUCTS

Part No.: KPC-NSP301NU

Super Night vision Color Camera

- 600TVL Horizontal Resolution
- Digital Day and Night
- High Performance 20 Units IR LEDs
- Outstanding durability with IP67
- Attractive and Compact Design

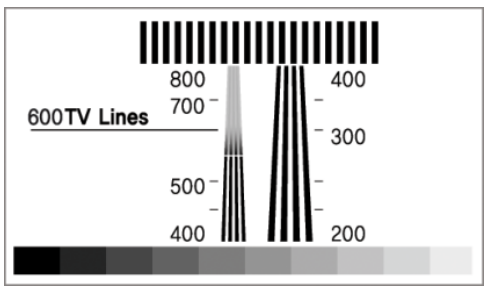
NEW

Key Features

- Sony 1/3" Super HAD CCD II
- 600TVL Horizontal Resolution
- Built-in 20 IR LEDs
- Max. 80ft Long Distances Visibility at Night
- Fix Iris IR Corrective Board Lens
- IR Reflection Free with Special Front Glass
- Digital Day & Night
- Outstanding Durability with IP67
- DC12V Power

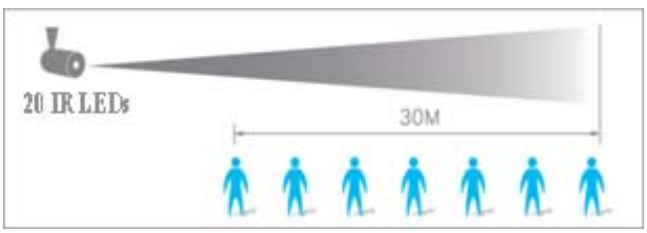
Super High Resolution of 600 TV Lines

The new advanced Sony Super HAD CCD II and DSP chipset Built-in NSP301NU provides you the world highest horizontal resolution up to 600 TV Lines for color. User can expect extremely clear and excellent visual image quality.



0 Lux Min. illumination with 20 IR LEDs

NSP301NU is Equipped with built-in high performance 20 units of IR LEDs that make the detected dark object extremely bright visual image in total darkness without any light. This camera can cover the reliable video surveillance up to 80 feet long distance



Outstanding Durability with IP67

With Dust and Rain Resistant design witch meets IP67 rating, this camera can be installed outdoor under building eaves or the places that are exposed to the dust and rain, basically IP67 means the weatherproof protection : Down to 1M water submersion

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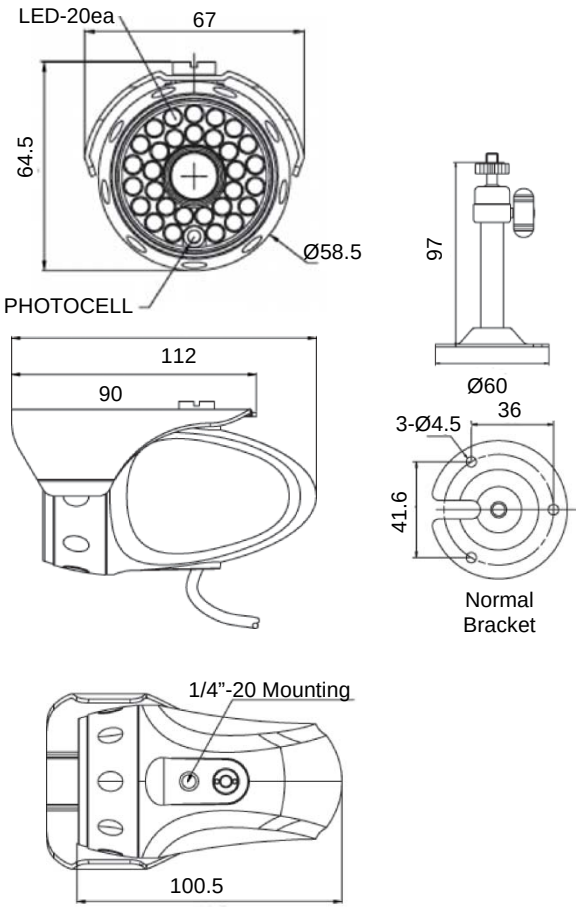
Part No.: KPC-NSP301NU

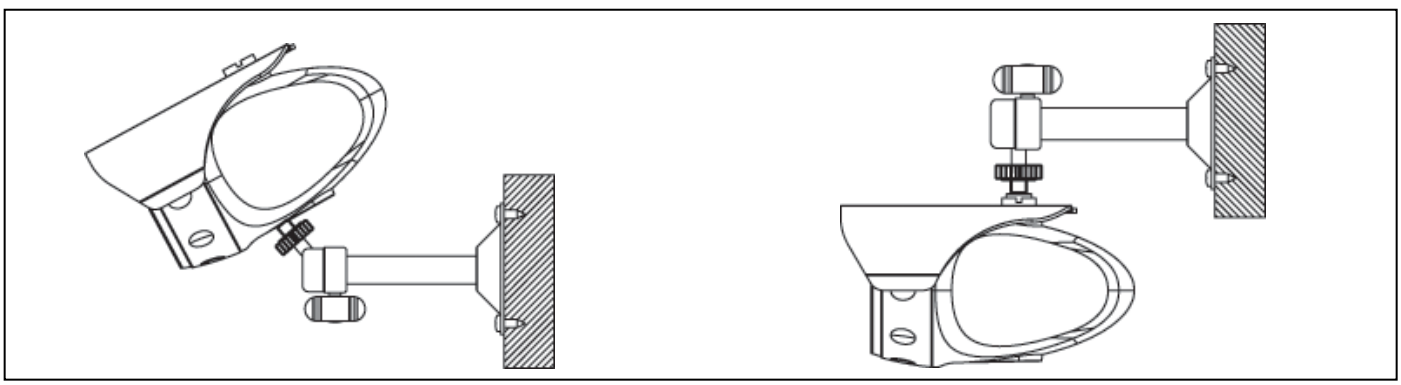
Technical Specification

Image Device	SONY 1/3" SUPER HAD CCD II
Scanning System	2 : 1 Interlace
Scanning Frequency	H : 15.734 (KHz), V : 59.94 (Hz)
Total Pixels	811(H) × 508(V)
Effective Pixels	768(H) × 494(V)
Horizontal Resolution	600 TVL
Day and Night	Digital Day & Night
Electronic Shutter	1/60 ~ 1/100,000sec Auto
S/N Ratio	More than 50dB (AGC Off)
Sensitivity	0 Lux (IR LED On)
IR Led	850nm, 20ea, up to 30m(80ft)
Gamma Correction	λ = 0.45
Sync System	Internal
IP Rating	IP67 (Waterproof)
Video Output	Composite 1［Vp-p］75(Ω) unbalanced
Power Supply	DC 12V (±10%) Max 300mA
Operating Temperature	14˚F ~ 122˚F (-10˚C ~ 50˚C)
Storage Temperature	-4˚F ~ 140˚F (-20˚C ~ 60˚C)
Operating Humidity	Less than 80%
Lens	Board Lens: 2.97mm,3.6mm,4.3mm, 6.0mm,8.0mm, 12.0mm

Dimensions (Unit: mm)



Mounting Position



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Collection of 700TVL Camera Specifications

Box

- KPC-BSP6300NU
- KPC-DN6360NU
- KPC-WDR7000NU

Indoor Dome

- KPC-DSP81NUB
- KPC-DE100NUV17
- KPC-DNE100NUV18
- KPC-LD40

Outdoor Dome

- KPC-LV40
- KPC-VD61
- KPC-VDE101NUV17
- KPC-VNE101NUV18

License Plate

- KPC-LP751NU

Miniature Bullet

- KPC-E190NUWX
- KPC-EJ230NUWX
- KPC-VF291NU

Miniature Square

- KPC-E23NU
- KPC-E700NU
- KPC-EW38NU

Module

- ACE-EDR380NU
- ACE-M321NU

Outdoor Bullet

- KPC-N501NU
- KPC-N701NU
- KPC-N751NU
- KPC-NSP301NU

PTZ

- KPT-SPDN300NUCH

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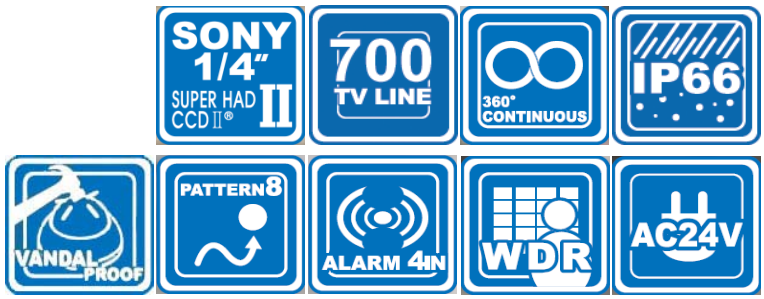
Part No.: KPT-SPDN300

30x Optical Zoom Mini Speed Dome

- NTSC: 975 x 494, PAL: 976 x 582 Total Pixels
- 300X Zoom (30X Optical, 10X Digital)
- Auto-focus, WDR (Wide Dynamic Range), 3DNR(Digital Noise Reduction)
- True Mechanical Day and Night (ICR)
- Pan 360° Endless Rotation, Tilt 180° Vector scan
- 210 Preset Positions (except Short-cut command)
- Standard protocol including Pelco-D / P
- AC 24V only
- Vandal-Proof & Weather-Proof (IP66)

Key Features

- 1 / 4” Sony Double Scan, Super HAD CCD II
- 700 TVL Resolution
- NTSC: 1020 x 508, PAL: 1020 x 596 Total Pixels
- 300X Zoom (30X Optical, 10X Digital)
- Auto-focus, WDR (Wide Dynamic Range), DNR (Digital Noise Reduction)
- True Mechanical Day and Night (ICR)
- Pan 360° Endless Rotation, Tilt 180° Vector scan
- 210 Preset Positions (except Short-cut command)
- 8 Auto Scan, 8 Pattern, 8 Tours consist of Presets , Patterns and Scans
- 4 Alarm Input, 1 Alarm Output (Off / NC / NO)
- Programmable PTZ Speed: Proportional to Zoom ratio, changeable preset speed
- Multilingual OSD
- 8 Private Mask Zone
- Standard protocol including Pelco-D / P
- Up to 255 Camera ID
- AC 24V only



WDR (Wide Dynamic Range)

To get detailed information from dark and bright combination Image without any saturation, the WDR Technology is required. It combines bright areas with high shutter speed exposure and dark areas with low shutter speed exposure into one composite image.

Normal *BLC* *WDR on*

210 Preset Positions

User can specify up to 210 preset position, time and method for automatic monitoring.

The camera memorizes positions of the pan/tilt and zoom.

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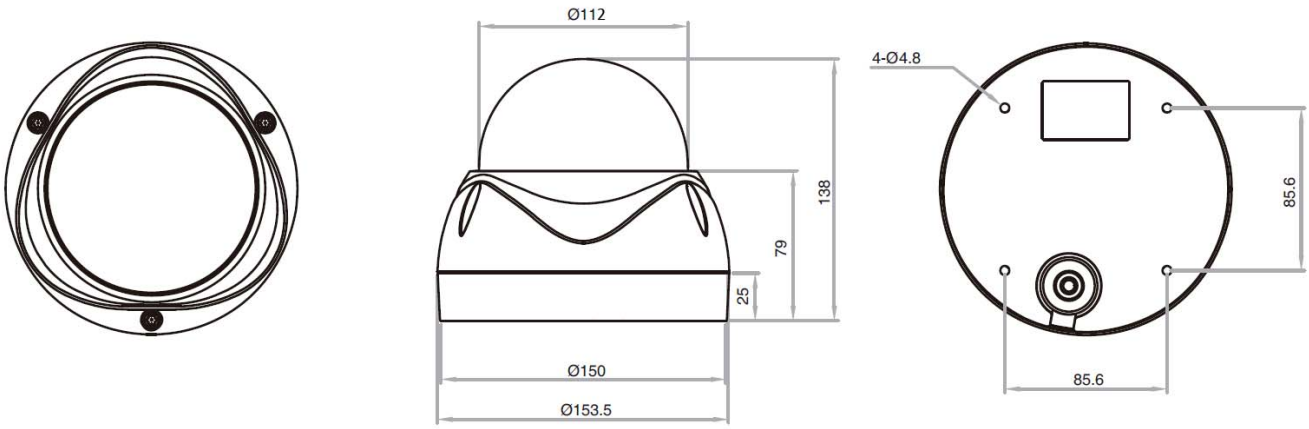
Part No.: KPT-SPDN300

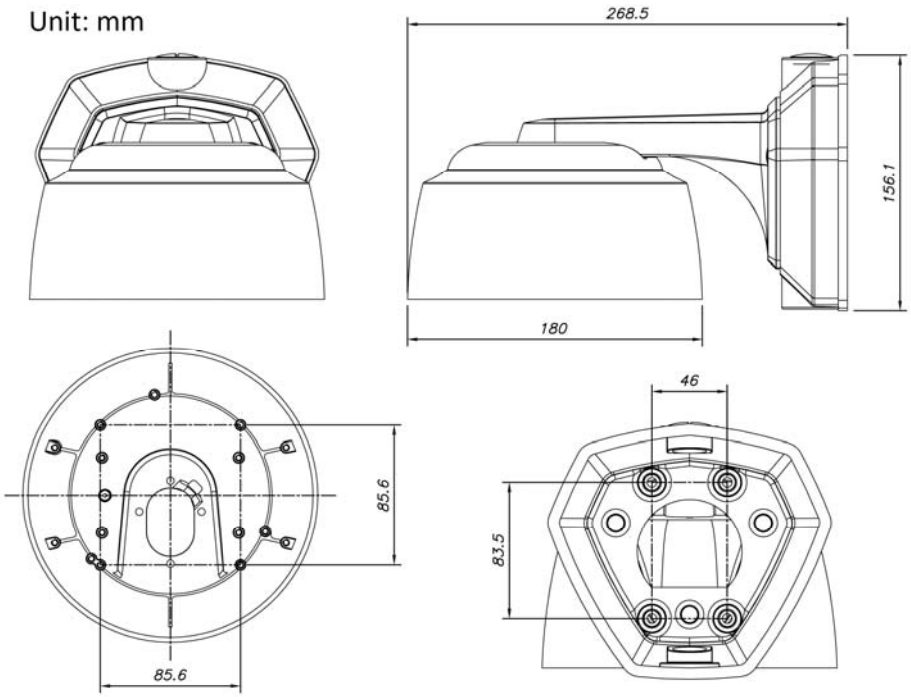
General Feature Diagram

(Unit: mm)



Optional Mounts (Wall Mount)

(Unit: mm)



Wall Mount: KA-WM110

This mount can be installed directly to a wall. It has cable feed through holes access in the middle of the mount.

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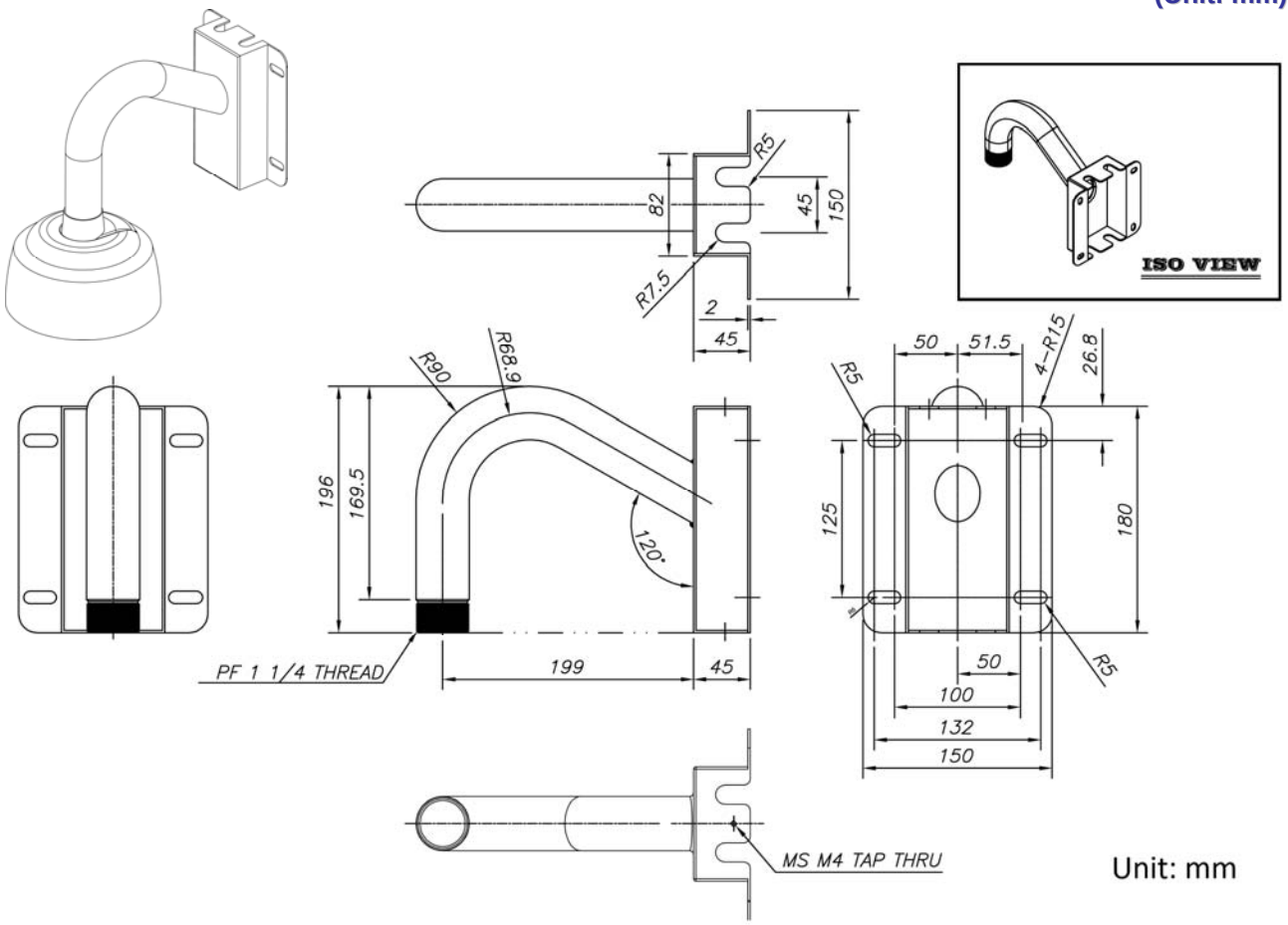
Part No.: KPT-SPDN300

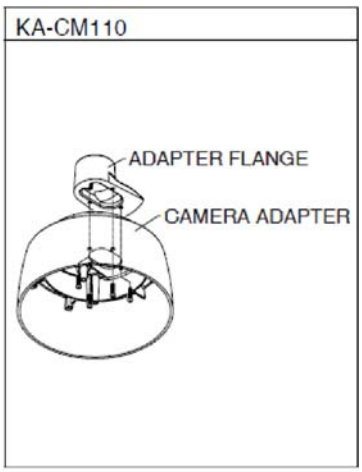
Optional Mounts (Wall Pipe Mount)

(Unit: mm)



Wall Pipe Mount: KA-WPP200

This mount can be installed directly to a wall. It has cable feed through holes access in the middle of the mount. Camera Adapter (KA-CM110) for installing, analog PTZ cameras (KPT-SPDN300 and KPT-SPDN231), is included.



KA-CM110 (Camera adapter) is included.

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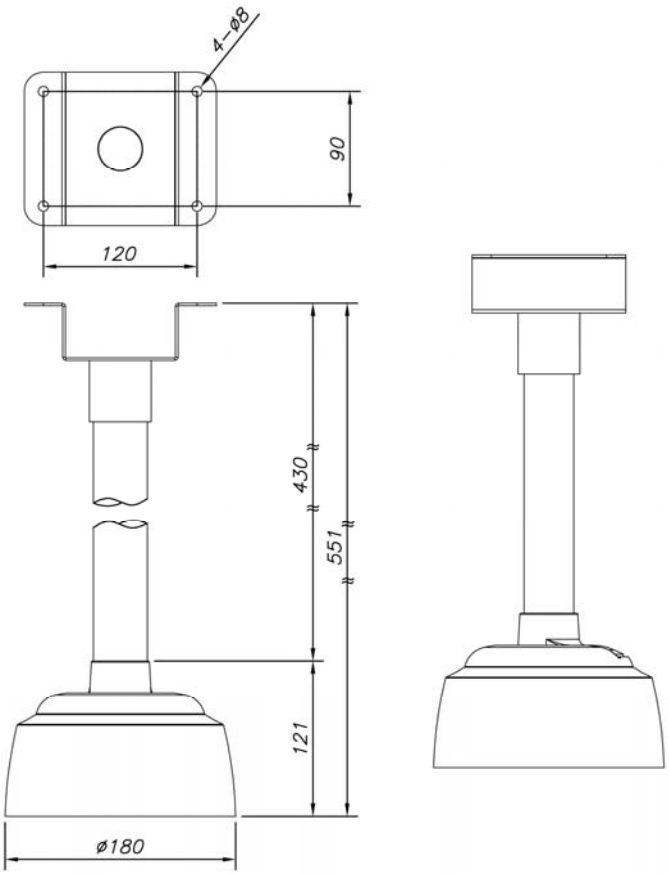
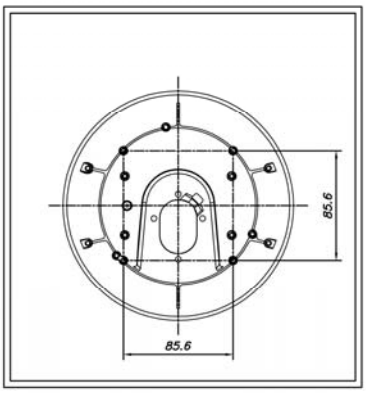
Optional Mounts (Ceiling Mount)

(Unit: mm)

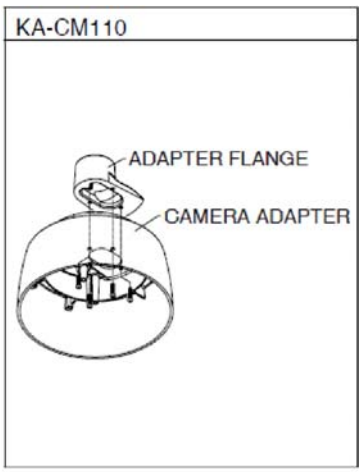




Unit: mm

Ceiling Mount: KA-CPP200

This mount can be installed directly to a ceiling. It has cable feed through holes access in the middle of the mount. Camera Adapter (KA-CM110) for installing, analog PTZ cameras (KPT-SPDN300 and KPT-SPDN231), is included.



KA-CM110 (Camera adapter) is included.

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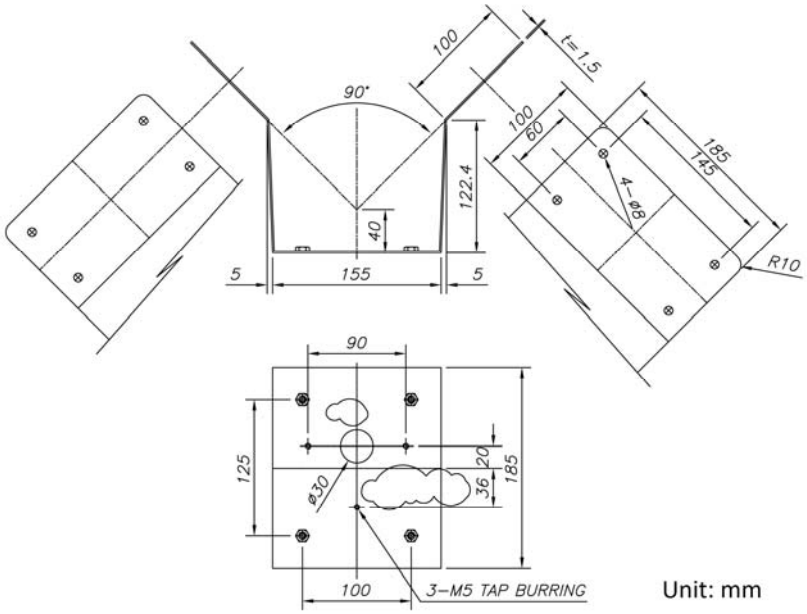
Part No.: KPT-SPDN300

Optional Mounts (Corner Mount)

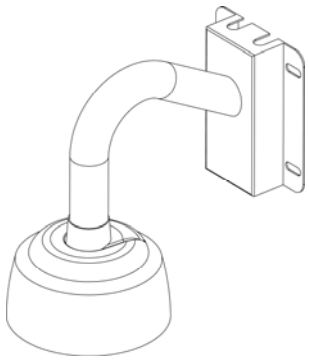
(Unit: mm)



Unit: mm

Pole Mount: KA-CMA100

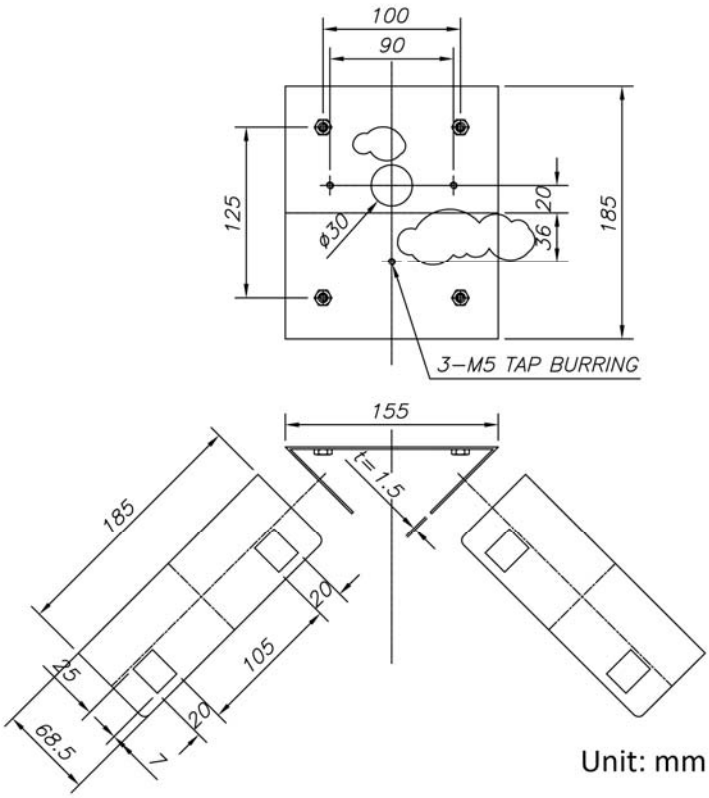
This mount can be installed to a corner. It has cable feed through holes access in the middle of the mount. KA-WPP200 (Wall pipe mount) is required to install PTZ.



KA-WPP200 is required.

Optional Mounts (Pipe Mount)

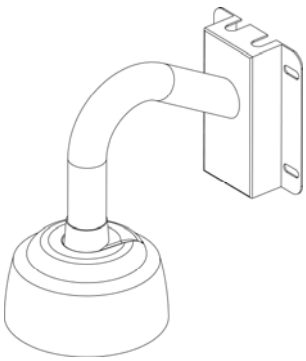
(Unit: mm)



Unit: mm

Pipe Mount: KA-PMA100

This mount can be installed to a pipe. It has cable feed through holes access in the middle of the mount. KA-WPP200 (Wall pipe mount) is required to install PTZ.



KA-WPP200 is required.

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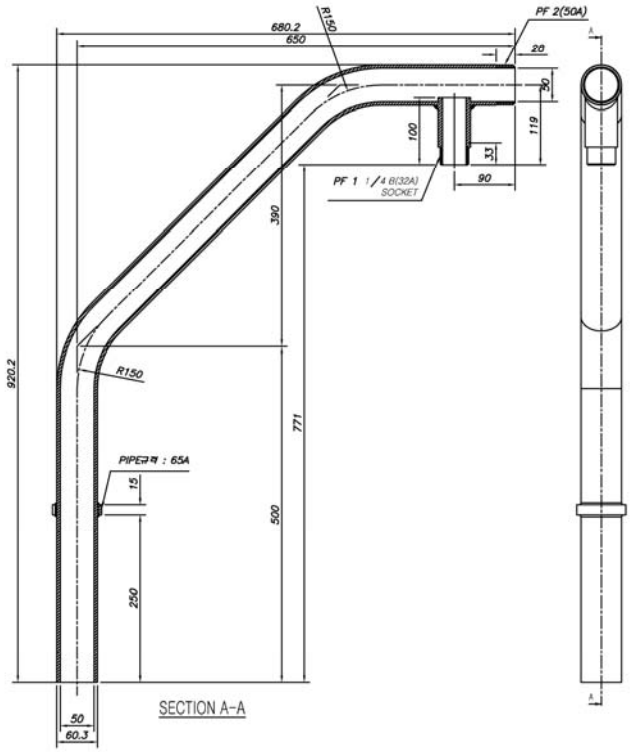
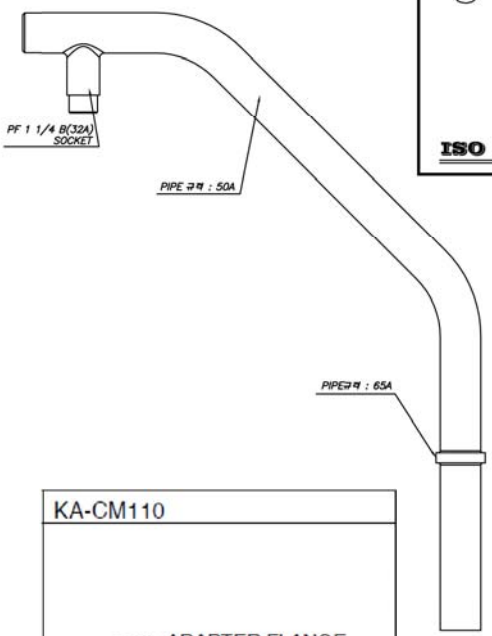
Optional Mounts (Parapet Mount)

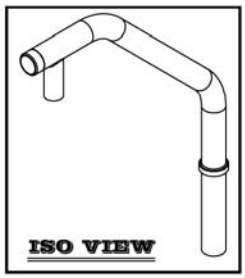
(Unit: mm)

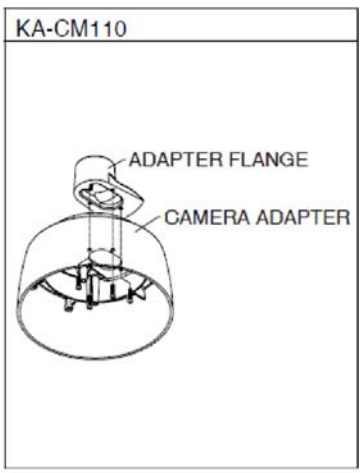
Parapet Mount: KA-PMB600

This mount can be installed directly to a roof parapet or similar structure and onto roof. The mount allows the mounted equipment to be swiveled in toward the roof to provide access for convenient rooftop servicing or adjustment.









Unit: mm

KA-CM110 (Camera adapter) is included.

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Part No.: KPT-SPDN300

Technical Specification

Model		KPT-SPDN300
Image Device		1/4“ Sony Double Scan Super HAD CCD II
Effective Pixels		NTSC: 976(H) x 494(V), PAL: 976(H) x 582(V)
Resolution		700 TVL
Lens		30X Optical / 10X Digital Zoom (Auto Focus)
View Angle		69.5˚ (Wide end) to 2.46˚ (Tele end)
Min. Illumination		0.2 Lux / F1.65, 0.001 Lux / DSS, 0.1 Lux / ICR; 30IRE
S/N Ratio		More than 50dB
WDR		On / Off
DNR		3DNR
Privacy masking		Max. 15 Zones
Power Supply		AC24V Max. 2.5A with Heater
Alarm Input / Output		4 Normal Dry Contact / 1 Normal Relay 5V DC / 40mA Max.
Control		RS-485 / Baudrate: 2400~38.4Kbps (default: 2400bps)
Access time		0.75 second maximum preset recall time
ID (Camera Address)		Physical 255
Mechanical	**Pan / Tilt Angle**	360˚ Continuous rotation / 0 ~ 180˚
	Speed	Maximum Preset Speed: 360˚ / sec
	Flip	Rotate 180˚ at bottom of tilt
	Auto Scan	8 Auto Scan include vector scan
	Preset Position	210 Position with camera status
	Tour	8 Tour
	Pattern	8 Pattern
	OSD	Display camera ID, Title, Mode, and Angle
	Language	English, Chinese, Russian, Spanish, German, Italian, French, Netherlandish
Operating Temperature / Humidity		-40˚C ~ 50˚C / ~80% RH
Storage Temperature / Humidity		-20˚C ~ 60˚C / ~90% RH
Heater		On / Off : 0~1˚C
Dimension		Φ154 x 138(H)mm (Bubble 112Φ)
Weight		1.5 Kg

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Last updated: 5/24/12

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